| Line | Time | Name | Message | Interval |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 4:03:34 | Mic | wat'd yall get for 1 |  |
| 2 | 4:03:38 | Cosi | i think there can only be one point perfectly in between 1 and 2? | 0:00:04 |
| 3 | 4:03:38 | Ben | no 1 is confusing | 0:00:00 |
| 4 | 4:03:42 | Mic | yea i nkow | 0:00:04 |
| 5 | 4:03:43 | Dan | hey all | 0:00:01 |
| 6 | 4:03:51 | Mic | it seems simple at first but then | 0:00:08 |
| 7 | 4:03:53 | Dan | im responsible for recording our chat | 0:00:02 |
| 8 | 4:04:06 | Mic | oh this is being recorded? ok | 0:00:13 |
| 9 | 4:04:11 | Hal | number one should be just 1 since there canonly be one point half as far from each of the two points | 0:00:05 |
| 10 | 4:04:17 | Cosi | ok lets take a vote | 0:00:06 |
| 11 | 4:04:20 | Cosi | i agree hal | 0:00:03 |
| 12 | 4:04:25 | Mic | damn i put 0 | 0:00:05 |
| 13 | 4:04:27 | Ben | i'll go wit 1 | 0:00:02 |
| 14 | 4:04:29 | Mic | but ill agree | 0:00:02 |
| 15 | 4:04:31 | Dan | I said infinite | 0:00:02 |
| 16 | 4:04:33 | Mic | with 1 cuz i guessed | 0:00:02 |
| 17 | 4:04:36 | Hal | ok so 1 it is | 0:00:03 |
| 18 | 4:04:44 | Mic | \#2 | 0:00:08 |
| 19 | 4:04:45 | Cosi | ok, arguments against the answer of one? | 0:00:01 |
| 20 | 4:04:47 | Hal | it isn't infinite that is for sure | 0:00:02 |
| 21 | 4:04:54 | Dan | alrighty then ;) | 0:00:07 |
| 22 | 4:05:03 | Mic | lets move to number 2 | 0:00:09 |
| 23 | 4:05:11 | Hal | ok | 0:00:08 |
| 24 | 4:05:13 | Cosi | ok, so consensus for number 1 - | 0:00:02 |
| 25 | 4:05:14 | Mic | what'd u guys get? | 0:00:01 |
| 26 | 4:05:19 | Cosi | for number two | 0:00:05 |
| 27 | 4:05:21 | Dan | no clue | 0:00:02 |
| 28 | 4:05:24 | Mic | ha | 0:00:03 |
| 29 | 4:05:31 | Cosi | = to sqrt of 2 | 0:00:07 |
| 30 | 4:05:33 | Hal | it is greater than the sqrt of two since it is a Inoger distance than a to G | 0:00:02 |
| 31 | 4:05:37 | Mic | thats what i got | 0:00:04 |
| 32 | 4:05:38 | Mic | c | 0:00:01 |
| 33 | 4:05:50 | Hal | 2 would be the distance from A to G | 0:00:12 |
| 34 | 4:06:05 | Cosi | a squared plus b squared $=\mathrm{c}$ squared | 0:00:15 |
| 35 | 4:06:05 | Mic | oh | 0:00:00 |
| 36 | 4:06:06 | Mic | i got u | 0:00:01 |
| 37 | 4:06:10 | Dan | your on fire my man | 0:00:04 |
| 38 | 4:06:17 | Ben | iagree | 0:00:07 |
| 39 | 4:06:24 | Cosi | ok i think it's c | 0:00:07 |
| 40 | 4:06:24 | Hal | so it it should be B | 0:00:00 |
| 41 | 4:06:28 | Cosi | alrighty then | 0:00:04 |
| 42 | 4:06:32 | Mic | ok b it is | 0:00:04 |
| 43 | 4:06:35 | Cosi | in a cube? | 0:00:03 |
| 44 | 4:06:44 | Cosi | k guess not | 0:00:09 |
| 45 | 4:07:06 | Hal | yes b/c a2+b2=c2 | 0:00:22 |
| 46 | 4:07:20 | Cosi | what are you saying hal? | 0:00:14 |
| 47 | 4:07:24 | Dan | hello johann | 0:00:04 |
| 48 | 4:07:35 | Dan | chad says answer B | 0:00:11 |
| 49 | 4:07:35 | Cosi | all sides are equal - so it is = to the squr root of 2 | 0:00:00 |
| 50 | 4:07:41 | Mic | but | 0:00:06 |
| 51 | 4:07:43 | Cosi | ok then, number 3 | 0:00:02 |


| 52 | 4:07:46 | Ben | on to q3 | 0:00:03 |
| :---: | :---: | :---: | :---: | :---: |
| 53 | 4:07:47 | Mic | isnt it cuz they're not asking for the side | 0:00:01 |
| 54 | 4:08:08 | Dan | we will come back to that | 0:00:21 |
| 55 | 4:08:10 | Hal | because look a-h squared + h to G squred would = a to gsquared | 0:00:02 |
| 56 | 4:08:30 | Hal | so a to $f$ is longer than that distance | 0:00:20 |
| 57 | 4:08:37 | Cosi | k | 0:00:07 |
| 58 | 4:08:42 | Hal | each line is only 1 | 0:00:05 |
| 59 | 4:08:46 | Mic | ok | 0:00:04 |
| 60 | 4:08:54 | Mic | so we're going with B | 0:00:08 |
| 61 | 4:08:57 | Cosi | sure | 0:00:03 |
| 62 | 4:09:00 | Hal | i would say so | 0:00:03 |
| 63 | 4:09:06 | Mic | ok nice .. number 3. | 0:00:06 |
| 64 | 4:09:10 | Mic | wat's your answers | 0:00:04 |
| 65 | 4:09:12 | Cosi | for number 3 - i got C | 0:00:02 |
| 66 | 4:09:13 | Dan | C | 0:00:01 |
| 67 | 4:09:14 | Hal | for 3 i got C | 0:00:01 |
| 68 | 4:09:17 | Cosi | haha ok great | 0:00:03 |
| 69 | 4:09:19 | Ben | me too | 0:00:02 |
| 70 | 4:09:26 | Mic | well then | 0:00:07 |
| 71 | 4:09:27 | Dan | yay! all agree | 0:00:01 |
| 72 | 4:09:28 | Cosi | i didnt get number 4 | 0:00:01 |
| 73 | 4:09:31 | Mic | i got a | 0:00:03 |
| 74 | 4:09:33 | Cosi | anyone ?? | 0:00:02 |
| 75 | 4:09:33 | Mic | j/k | 0:00:00 |
| 76 | 4:09:39 | Hal | i was struggling with that one too | 0:00:06 |
| 77 | 4:09:41 | Ben | i skip 4 | 0:00:02 |
| 78 | 4:09:44 | Hal | hold on i'll do it again | 0:00:03 |
| 79 | 4:09:45 | Dan | 4. A | 0:00:01 |
| 80 | 4:09:47 | Dan | i say | 0:00:02 |
| 81 | 4:10:01 | Cosi | that works for me | 0:00:14 |
| 82 | 4:10:04 | Dan | imagine there are 100 total criminals, and 100 crimes | 0:00:03 |
| 83 | 4:10:06 | Mic | damn i forget what i put for 4 | 0:00:02 |
| 84 | 4:10:09 | Cosi | that's what i did too | 0:00:03 |
| 85 | 4:10:20 | Dan | 20 HC crims with 66 crimes | 0:00:11 |
| 86 | 4:10:20 | Mic | i did something like that but a lower number. i think i got A too | 0:00:00 |
| 87 | 4:10:29 | Cosi | ok cool | 0:00:09 |
| 88 | 4:10:29 | Dan | 80 N crims with 33 crimes | 0:00:00 |
| 89 | 4:10:30 | Mic | your reasoning is the same as our | 0:00:01 |
| 90 | 4:10:34 | Mic | so lets go with A | 0:00:04 |
| 91 | 4:10:43 | Mic | Number 5. | 0:00:09 |
| 92 | 4:10:46 | Hal | yes A is right | 0:00:03 |
| 93 | 4:10:49 | Cosi | what is an isoceles triangle definition | 0:00:03 |
| 94 | 4:10:56 | Mic | thats what i was wondering | 0:00:07 |
| 95 | 4:11:01 | Mic | i forgot which kind it was :/ | 0:00:05 |
| 96 | 4:11:03 | Ben | i think all three angle are the same | 0:00:02 |
| 97 | 4:11:03 | Cosi | no sides equal? | 0:00:00 |
| 98 | 4:11:03 | Dan | two sides are the same length? | 0:00:00 |
| 99 | 4:11:04 | Hal | i just worked it out and from you are saying it is right | 0:00:01 |
| 100 | 4:11:07 | Dan | or was it angles | 0:00:03 |
| 101 | 4:11:10 | Ben | i choose c | 0:00:03 |
| 102 | 4:11:12 | Mic | well | 0:00:02 |
| 103 | 4:11:22 | Mic | no sides are equal? or 2 sides are equal? | 0:00:10 |
| 104 | 4:11:30 | Cosi | i dont know, someone google it | 0:00:08 |
| 105 | 4:11:30 | Cosi | haha | 0:00:00 |


| 106 | 4:11:32 | Mic | hahah | 0:00:02 |
| :---: | :---: | :---: | :---: | :---: |
| 107 | 4:11:33 | Hal | they aren't equal in any sense though | 0:00:01 |
| 108 | 4:11:35 | Mic | isnt that cheating?! | 0:00:02 |
| 109 | 4:11:41 | Cosi | boo | 0:00:06 |
| 110 | 4:11:43 | Mic | i can goodle it but if the teacher comes by and u hear.. | 0:00:02 |
| 111 | 4:11:43 | Dan | haha | 0:00:00 |
| 112 | 4:11:45 | Mic | HEY wat u doin | 0:00:02 |
| 113 | 4:11:46 | Mic | ill cry | 0:00:01 |
| 114 | 4:11:47 | Cosi | ok then someone figure it out | 0:00:01 |
| 115 | 4:11:52 | Dan | haha | 0:00:05 |
| 116 | 4:12:03 | Mic | you google it cosi ill tell u if the teacher comes by | 0:00:11 |
| 117 | 4:12:05 | Mic | hah | 0:00:02 |
| 118 | 4:12:08 | Cosi | if we dont know the definition then it's just a guess | 0:00:03 |
| 119 | 4:12:11 | Hal | for 5 i got b,c, d | 0:00:03 |
| 120 | 4:12:15 | Mic | haha | 0:00:04 |
| 121 | 4:12:20 | Mic | ok | 0:00:05 |
| 122 | 4:12:27 | Mic | i dotn even know what i got | 0:00:07 |
| 123 | 4:12:37 | Cosi | ok go to 6 - we'll come back | 0:00:10 |
| 124 | 4:12:41 | Mic | ok | 0:00:04 |
| 125 | 4:12:51 | Dan | ok | 0:00:10 |
| 126 | 4:12:52 | Hal | so nothing for 4 and b,c,d for 5 | 0:00:01 |
| 127 | 4:13:08 | Hal | it ask's which could be coordinates | 0:00:16 |
| 128 | 4:13:08 | Dan | 4 is A | 0:00:00 |
| 129 | 4:13:09 | Mic | i thoguht we put A for 45 | 0:00:01 |
| 130 | 4:13:10 | Dan | isnt it | 0:00:01 |
| 131 | 4:13:10 | Mic | oops | 0:00:00 |
| 132 | 4:13:11 | Hal | so all three could be | 0:00:01 |
| 133 | 4:13:12 | Mic | for 4 i mean | 0:00:01 |
| 134 | 4:13:28 | Cosi | the base angels of an isoceles triangle are congruent - yeah google | 0:00:16 |
| 135 | 4:13:29 | Hal | ok a for 4 and b,c,d for 5 | 0:00:01 |
| 136 | 4:13:35 | Mic | haha | 0:00:06 |
| 137 | 4:13:39 | Mic | u actually googled it | 0:00:04 |
| 138 | 4:13:41 | Mic | im telling. | 0:00:02 |
| 139 | 4:13:46 | Mic | cheater! | 0:00:05 |
| 140 | 4:13:46 | Cosi | haha shutup | 0:00:00 |
| 141 | 4:13:52 | Ben | so wat's 5 | 0:00:06 |
| 142 | 4:14:00 | Dan | better than nothing | 0:00:08 |
| 143 | 4:14:05 | Mic | i dont know. why dont u tell cosi to google it | 0:00:05 |
| 144 | 4:14:06 | Dan | lets move to 6 | 0:00:01 |
| 145 | 4:14:09 | Mic | haha j/k | 0:00:03 |
| 146 | 4:14:10 | Cosi | ok | 0:00:01 |
| 147 | 4:14:20 | Mic | skipping 5? | 0:00:10 |
| 148 | 4:14:24 | Cosi | i got A - but that seems so simple for 6 | 0:00:04 |
| 149 | 4:14:24 | Ben | yup | 0:00:00 |
| 150 | 4:14:25 | Dan | b,c,d | 0:00:01 |
| 151 | 4:14:27 | Dan | says hal | 0:00:02 |
| 152 | 4:14:30 | Mic | ok | 0:00:03 |
| 153 | 4:14:43 | Mic | i guessed A for 6 too.. | 0:00:13 |
| 154 | 4:14:50 | Mic | but i dont know. | 0:00:07 |
| 155 | 4:14:57 | Cosi | i dont either, but it seems to make sense | 0:00:07 |
| 156 | 4:14:59 | Mic | :\| | 0:00:02 |
| 157 | 4:15:02 | Dan | i am not sure about multiple answers, but something is better than nothing | 0:00:03 |
| 158 | 4:15:14 | Cosi | no multiple answers | 0:00:12 |
| 159 | 4:15:26 | Mic | dan is still talking about number 5 i think no? | 0:00:12 |


| 160 | 4:15:33 | Dan | right | 0:00:07 |
| :---: | :---: | :---: | :---: | :---: |
| 161 | 4:15:36 | Mic | cuz we put B,C,D | 0:00:03 |
| 162 | 4:15:37 | Cosi | oh yeah sorry | 0:00:01 |
| 163 | 4:15:41 | Mic | ~.~ | 0:00:04 |
| 164 | 4:15:42 | Dan | np | 0:00:01 |
| 165 | 4:15:54 | Cosi | i think we need to pick one answer for 5 | 0:00:12 |
| 166 | 4:16:03 | Hal | well it says which of the following | 0:00:09 |
| 167 | 4:16:11 | Hal | and that means there could be more than one | 0:00:08 |
| 168 | 4:16:11 | Mic | hm | 0:00:00 |
| 169 | 4:16:12 | Cosi | oooo right | 0:00:01 |
| 170 | 4:16:15 | Mic | someone get the teacher in this chatroom | 0:00:03 |
| 171 | 4:16:17 | Mic | then we can ask | 0:00:02 |
| 172 | 4:16:19 | Dan | lets go back to it | 0:00:02 |
| 173 | 4:16:22 | Cosi | ok | 0:00:03 |
| 174 | 4:16:23 | Hal | otherwise | 0:00:01 |
| 175 | 4:16:25 | Dan | later | 0:00:02 |
| 176 | 4:16:29 | Mic | sounds good | 0:00:04 |
| 177 | 4:16:35 | Cosi | number 6 - i choose A | 0:00:06 |
| 178 | 4:16:38 | Hal | wait if both angles must be concruent then E is the only possible answer | 0:00:03 |
| 179 | 4:16:39 | Mic | $\wedge$ | 0:00:01 |
| 180 | 4:16:41 | Mic | me 2 | 0:00:02 |
| 181 | 4:16:42 | Ben | every1 getting A for 6 | 0:00:01 |
| 182 | 4:16:46 | Hal | congruent | 0:00:04 |
| 183 | 4:16:53 | Mic | hold on | 0:00:07 |
| 184 | 4:16:55 | Mic | we're goin back to 5 | 0:00:02 |
| 185 | 4:16:56 | Dan | a for 6 | 0:00:01 |
| 186 | 4:17:00 | Ben | wat is congruent | 0:00:04 |
| 187 | 4:17:04 | Cosi | yeah A for six | 0:00:04 |
| 188 | 4:17:05 | Mic | the same | 0:00:01 |
| 189 | 4:17:10 | Hal | e is the answer for 5 | 0:00:05 |
| 190 | 4:17:16 | Cosi | now for five, actually E makes to non congruent base angels | 0:00:06 |
| 191 | 4:17:32 | Mic | i dotn think any of them make two congruent sides | 0:00:16 |
| 192 | 4:17:44 | Hal | e does | 0:00:12 |
| 193 | 4:17:49 | Mic | actually $i$ think $i$ just suck at drawing it out. | 0:00:05 |
| 194 | 4:17:57 | Mic | cuz my triangles came out all crooked | 0:00:08 |
| 195 | 4:18:00 | Cosi | haha, it makes to congruent sides, but not angels | 0:00:03 |
| 196 | 4:18:01 | Mic | so yea. congruent it is | 0:00:01 |
| 197 | 4:18:03 | Hal | both side from the point to the base line already drwawn make two congruent sides | 0:00:02 |
| 198 | 4:18:03 | Dan | i didnt see any answer when i did it either, but i didnt think there were any trick questions, must be my geo failing me | 0:00:00 |
| 199 | 4:18:24 | Mic | so are we going with E? | 0:00:21 |
| 200 | 4:18:26 | Mic | damn all this beeping | 0:00:02 |
| 201 | 4:18:27 | Dan | so what, now it is E | 0:00:01 |
| 202 | 4:18:30 | Hal | just pick e for 5 and we'll keep going | 0:00:03 |
| 203 | 4:18:35 | Ben | the half point on the line is 0 on the x-axis | 0:00:05 |
| 204 | 4:18:42 | Hal | this is such a pain in the ass | 0:00:07 |
| 205 | 4:18:45 | Dan | ok thx | 0:00:03 |
| 206 | 4:18:49 | Cosi | i like B for 5 | 0:00:04 |
| 207 | 4:18:52 | Mic | i dont know. its better than lecture to me | 0:00:03 |
| 208 | 4:18:53 | Hal | ha | 0:00:01 |
| 209 | 4:18:56 | Cosi | yeah true | 0:00:03 |
| 210 | 4:19:05 | Hal | well just pick something let's keep going | 0:00:09 |
| 211 | 4:19:08 | Mic | ok | 0:00:03 |


| 212 | 4:19:10 | Mic | E! | 0:00:02 |
| :---: | :---: | :---: | :---: | :---: |
| 213 | 4:19:10 | Dan | i kinda like this | 0:00:00 |
| 214 | 4:19:15 | Mic | !! | 0:00:05 |
| 215 | 4:19:16 | Cosi | if you look at the triangel side ways then it looks equal on two of the angels | 0:00:01 |
| 216 | 4:19:18 | Dan | 7? | 0:00:02 |
| 217 | 4:19:20 | Hal | i guess A for 6 but that doesn't sound rigth | 0:00:02 |
| 218 | 4:19:28 | Mic | yea.. | 0:00:08 |
| 219 | 4:19:31 | Mic | we all picked A | 0:00:03 |
| 220 | 4:19:34 | Hal | that isn't the area of the circle | 0:00:03 |
| 221 | 4:19:34 | Mic | and it doesnt soudn right | 0:00:00 |
| 222 | 4:19:35 | Cosi | for 7 - i got B | 0:00:01 |
| 223 | 4:19:36 | Mic | to any of us | 0:00:01 |
| 224 | 4:19:42 | Mic | but i guess we're gion w/ A for 6 | 0:00:06 |
| 225 | 4:19:47 | Hal | that is just half of the circumference | 0:00:05 |
| 226 | 4:19:50 | Cosi | yeah, sounds good fro 6] | 0:00:03 |
| 227 | 4:20:01 | Dan | wait, 6 a or 6 b | 0:00:11 |
| 228 | 4:20:02 | Mic | i got B for 7 too | 0:00:01 |
| 229 | 4:20:05 | Mic | im pretty sure its right | 0:00:03 |
| 230 | 4:20:15 | Hal | b is right for 7 | 0:00:10 |
| 231 | 4:20:21 | Cosi | good | 0:00:06 |
| 232 | 4:20:21 | Mic | 30 squared is 900 / 31 squared which is 931 | 0:00:00 |
| 233 | 4:20:22 | Ben | i got b too | 0:00:01 |
| 234 | 4:20:23 | Mic | etc u get it | 0:00:01 |
| 235 | 4:20:27 | Mic | lets go to 8 | 0:00:04 |
| 236 | 4:20:28 | Cosi | yeah | 0:00:01 |
| 237 | 4:20:38 | Dan | cool | 0:00:10 |
| 238 | 4:20:46 | Mic | 8 is the last one i got too | 0:00:08 |
| 239 | 4:20:50 | Cosi | why wouldnt both sides be equal in number 6 - they would be | 0:00:04 |
| 240 | 4:20:55 | Cosi | me too | 0:00:05 |
| 241 | 4:20:55 | Mic | cuz i was sweatin over 5 :( | 0:00:00 |
| 242 | 4:20:55 | Ben | got \$3.something for 8 | 0:00:00 |
| 243 | 4:20:59 | Mic | i got 3.30 | 0:00:04 |
| 244 | 4:21:03 | Cosi | 3.3 | 0:00:04 |
| 245 | 4:21:05 | Cosi | nice | 0:00:02 |
| 246 | 4:21:06 | Mic | excellent | 0:00:01 |
| 247 | 4:21:06 | Hal | yes exactly | 0:00:00 |
| 248 | 4:21:20 | Mic | ok | 0:00:14 |
| 249 | 4:21:21 | Hal | but that isn't the formula for the area of the portion | 0:00:01 |
| 250 | 4:21:24 | Mic | number 9 | 0:00:03 |
| 251 | 4:21:28 | Hal | that is the formula for the circumference | 0:00:04 |
| 252 | 4:21:32 | Cosi | pie r squared times height for 9 | 0:00:04 |
| 253 | 4:21:42 | Hal | 3.96 for 8 | 0:00:10 |
| 254 | 4:21:54 | Cosi | 3 of us got 3.30 | 0:00:12 |
| 255 | 4:21:58 | Mic | 3.96? | 0:00:04 |
| 256 | 4:22:01 | Mic | how'd u get that? | 0:00:03 |
| 257 | 4:22:02 | Mic | explain | 0:00:01 |
| 258 | 4:22:02 | Dan | hold up | 0:00:00 |
| 259 | 4:22:28 | Mic | i got 3.30 | 0:00:26 |
| 260 | 4:22:29 | Hal | $60+120=180+18=198$ | 0:00:01 |
| 261 | 4:22:38 | Hal | 198/50 | 0:00:09 |
| 262 | 4:22:42 | Hal | 3.96 | 0:00:04 |
| 263 | 4:22:50 | Cosi | we all divided by 60 | 0:00:08 |
| 264 | 4:22:52 | Cosi | i think | 0:00:02 |
| 265 | 4:22:57 | Cosi | yeah, hal, good call | 0:00:05 |


| 266 | 4:23:10 | Dan | he makes it seem so simple :) | 0:00:13 |
| :---: | :---: | :---: | :---: | :---: |
| 267 | 4:23:13 | Mic | oh damnit | 0:00:03 |
| 268 | 4:23:28 | Cosi | nice | 0:00:15 |
| 269 | 4:23:33 | Mic | like i said. 3.96 for 8 | 0:00:05 |
| 270 | 4:23:36 | Ben | on to 9 | 0:00:03 |
| 271 | 4:23:38 | Cosi | haha | 0:00:02 |
| 272 | 4:23:39 | Cosi | ok | 0:00:01 |
| 273 | 4:23:40 | Mic | :0 | 0:00:01 |
| 274 | 4:23:42 | Dan | sure ya did | 0:00:02 |
| 275 | 4:23:50 | Mic | i did! | 0:00:08 |
| 276 | 4:23:53 | Mic | scroll up! | 0:00:03 |
| 277 | 4:23:54 | Mic | wait | 0:00:01 |
| 278 | 4:23:55 | Mic | dont | 0:00:01 |
| 279 | 4:24:00 | Hal | ok so 3.96 it is and now 9 right | 0:00:05 |
| 280 | 4:24:03 | Cosi | i got .125 | 0:00:03 |
| 281 | 4:24:05 | Mic | yep | 0:00:02 |
| 282 | 4:24:16 | Cosi | so one eight | 0:00:11 |
| 283 | 4:24:17 | Cosi | h | 0:00:01 |
| 284 | 4:24:25 | Mic | i didnt get to do 9 yet | 0:00:08 |
| 285 | 4:24:32 | Hal | if the other cylinder is half the size wouldn't it just be 1/2 empty | 0:00:07 |
| 286 | 4:24:41 | Cosi | nah i dont think so | 0:00:09 |
| 287 | 4:24:59 | Cosi | if you do pie * r squared * height for both | 0:00:18 |
| 288 | 4:25:09 | Hal | $\mathrm{b} / \mathrm{c}$ everything is half the size of the first cylinder | 0:00:10 |
| 289 | 4:25:14 | Cosi | thendivide the bigger one by the smaller one... | 0:00:05 |
| 290 | 4:25:51 | Mic | hi | 0:00:37 |
| 291 | 4:25:52 | Mic | sorry i got lost | 0:00:01 |
| 292 | 4:26:14 | Cosi | i did 3.14 * 5 *5 *13 | 0:00:22 |
| 293 | 4:26:17 | Mic | what did you guys get for 9 ? other than cosi and hal | 0:00:03 |
| 294 | 4:26:25 | Cosi | 3.14 *2.5 *2.5 *6.5 | 0:00:08 |
| 295 | 4:26:36 | Dan | i didnt get ot it, im processing it now | 0:00:11 |
| 296 | 4:26:56 | Cosi | then (127.5625 / 1020.5) $=.125$ or one eighth | 0:00:20 |
| 297 | 4:26:59 | Mic | ill get on aim and ask a math major | 0:00:03 |
| 298 | 4:26:59 | Ben | shouldn't it be 5 square and 2.5 square | 0:00:00 |
| 299 | 4:27:13 | Hal | yes | 0:00:14 |
| 300 | 4:27:20 | Hal | times pi | 0:00:07 |
| 301 | 4:27:20 | Cosi | yeah that's what i did in the equation | 0:00:00 |
| 302 | 4:27:25 | Cosi | times height | 0:00:05 |
| 303 | 4:27:28 | Hal | exactly | 0:00:03 |
| 304 | 4:27:36 | Cosi | hence, my answer is correct | 0:00:08 |
| 305 | 4:27:37 | Cosi | hahah | 0:00:01 |
| 306 | 4:27:38 | Ben | yup | 0:00:01 |
| 307 | 4:27:39 | Mic | hm | 0:00:01 |
| 308 | 4:27:45 | Mic | how'd u two get different answers then? | 0:00:06 |
| 309 | 4:27:55 | Mic | if you solved it with the same equation? | 0:00:10 |
| 310 | 4:28:27 | Dan | good question | 0:00:32 |
| 311 | 4:28:28 | Mic | hmmmm? | 0:00:01 |
| 312 | 4:28:34 | Mic | i want the truth | 0:00:06 |
| 313 | 4:28:36 | Hal | at first i was just hypothesizing before i actually did the prob | 0:00:02 |
| 314 | 4:28:41 | Cosi | 0000 i see | 0:00:05 |
| 315 | 4:28:43 | Dan | so it is . 125 | 0:00:02 |
| 316 | 4:28:45 | Cosi | haha ok great | 0:00:02 |
| 317 | 4:28:46 | Mic | oh ok | 0:00:01 |
| 318 | 4:28:48 | Dan | ok | 0:00:02 |
| 319 | 4:28:51 | Hal | because everything seemed to be just half of the first | 0:00:03 |


| 320 | 4:28:58 | Cosi | yeah it's 1/8 | 0:00:07 |
| :---: | :---: | :---: | :---: | :---: |
| 321 | 4:29:00 | Mic | gotcha | 0:00:02 |
| 322 | 4:29:01 | Hal | so why wouldn't it just leave half of it left | 0:00:01 |
| 323 | 4:29:03 | Cosi | it asks for a fraction | 0:00:02 |
| 324 | 4:29:17 | Mic | so we're going with 1/8th then | 0:00:14 |
| 325 | 4:29:24 | Cosi | i dont know, maybe you're right, but the equations seemt o be correct for it | 0:00:07 |
| 326 | 4:29:40 | Dan | i can see where chad would think its 50\% | 0:00:16 |
| 327 | 4:29:43 | Mic | damnit | 0:00:03 |
| 328 | 4:29:47 | Dan | visualizing it i would think the same | 0:00:04 |
| 329 | 4:29:49 | Cosi | yeah, ok lets get back to number 5 | 0:00:02 |
| 330 | 4:29:52 | Mic | if your not confident in yoru answer anymore i wont belive u! | 0:00:03 |
| 331 | 4:29:59 | Cosi | oh i am confident | 0:00:07 |
| 332 | 4:30:03 | Mic | how confident? | 0:00:04 |
| 333 | 4:30:05 | Cosi | very | 0:00:02 |
| 334 | 4:30:10 | Hal | i am confident also | 0:00:05 |
| 335 | 4:30:11 | Cosi | i was always good at volume | 0:00:01 |
| 336 | 4:30:15 | Hal | but the math says 1/8th | 0:00:04 |
| 337 | 4:30:19 | Mic | ok i always sucked at volume. and math in general. | 0:00:04 |
| 338 | 4:30:23 | Mic | so ill believe u THIS time | 0:00:04 |
| 339 | 4:30:35 | Cosi | ok number 5 | 0:00:12 |
| 340 | 4:30:46 | Mic | 5? waht about 10?! | 0:00:11 |
| 341 | 4:30:50 | Dan | or 11 | 0:00:04 |
| 342 | 4:30:53 | Ben | noone did Q10 n Q11 | 0:00:03 |
| 343 | 4:30:54 | Cosi | ooo right | 0:00:01 |
| 344 | 4:30:55 | Mic | or 5 | 0:00:01 |
| 345 | 4:30:57 | Cosi | didnt see them sorry | 0:00:02 |
| 346 | 4:31:28 | Mic | its ok | 0:00:31 |
| 347 | 4:31:38 | Mic | ive learned to forgive | 0:00:10 |
| 348 | 4:31:53 | Cosi | im stumped | 0:00:15 |
| 349 | 4:31:54 | Cosi | haha | 0:00:01 |
| 350 | 4:31:55 | Mic | how do we do this.. | 0:00:01 |
| 351 | 4:31:59 | Mic | without knowing the total number | 0:00:04 |
| 352 | 4:32:01 | Mic | of internet users? | 0:00:02 |
| 353 | 4:32:11 | Hal | for 11 i would think it would b C | 0:00:10 |
| 354 | 4:32:19 | Hal | i just read it though | 0:00:08 |
| 355 | 4:32:20 | Hal | hold oni | 0:00:01 |
| 356 | 4:32:22 | Cosi | we are on 10 | 0:00:02 |
| 357 | 4:32:23 | Dan | it all comes from the 30000000 | 0:00:01 |
| 358 | 4:32:23 | Mic | did u get something for 10 ? | 0:00:00 |
| 359 | 4:32:26 | Dan | we already know | 0:00:03 |
| 360 | 4:32:44 | Mic | 30000000 is the number of increase in american females | 0:00:18 |
| 361 | 4:33:00 | Mic | and since the ratio of male to female | 0:00:16 |
| 362 | 4:33:02 | Mic | is 1 to 1 | 0:00:02 |
| 363 | 4:33:09 | Mic | thats all i got to give. someone finish it | 0:00:07 |
| 364 | 4:33:10 | Mic | haha | 0:00:01 |
| 365 | 4:33:18 | Cosi | haha you jackass | 0:00:08 |
| 366 | 4:33:20 | Mic | haha | 0:00:02 |
| 367 | 4:33:21 | Dan | hahaha | 0:00:01 |
| 368 | 4:33:26 | Mic | u all thought i was gonna figure it out didnt | 0:00:05 |
| 369 | 4:33:27 | Mic | u | 0:00:01 |
| 370 | 4:33:28 | Mic | huh? | 0:00:01 |
| 371 | 4:33:28 | Hal | it would be 60,000,000 | 0:00:00 |
| 372 | 4:33:30 | Mic | chad | 0:00:02 |
| 373 | 4:33:31 | Mic | its all u | 0:00:01 |


| 374 | 4:33:33 | Mic | see | 0:00:02 |
| :---: | :---: | :---: | :---: | :---: |
| 375 | 4:33:34 | Mic | i helped | 0:00:01 |
| 376 | 4:33:54 | Cosi | ok, so what's 11 - just guess on 10 | 0:00:20 |
| 377 | 4:33:59 | Mic | jackass?! this is being recorded dont u know? this is going up on the bigscreen. ur in trouble. | 0:00:05 |
| 378 | 4:34:14 | Dan | don't sweat it C | 0:00:15 |
| 379 | 4:34:16 | Hal | 11 i think is C | 0:00:02 |
| 380 | 4:34:20 | Cosi | ooo im scurred | 0:00:04 |
| 381 | 4:34:20 | Mic | 11 is c | 0:00:00 |
| 382 | 4:34:29 | Cosi | ok c is good | 0:00:09 |
| 383 | 4:34:34 | Ben | ok | 0:00:05 |
| 384 | 4:34:40 | Mic | so we got B for 10 | 0:00:06 |
| 385 | 4:34:43 | Mic | and c for 11 | 0:00:03 |
| 386 | 4:34:45 | Mic | lets get back to 5 | 0:00:02 |
| 387 | 4:34:47 | Cosi | i think it's more than 60,00000 | 0:00:02 |
| 388 | 4:34:57 | Mic | way to complicate things | 0:00:10 |
| 389 | 4:35:03 | Cosi | haha sorry | 0:00:06 |
| 390 | 4:35:05 | Mic | life was good until you said that | 0:00:02 |
| 391 | 4:35:07 | Mic | :( | 0:00:02 |
| 392 | 4:35:18 | Cosi | they cant get higher equally and even out to a 1 to 1 ratio | 0:00:11 |
| 393 | 4:35:27 | Cosi | oh, no wait, less than that | 0:00:09 |
| 394 | 4:35:32 | Cosi | 50000000 | 0:00:05 |
| 395 | 4:35:34 | Cosi | yeah, it's that | 0:00:02 |
| 396 | 4:35:36 | Cosi | im pretty sure | 0:00:02 |
| 397 | 4:35:37 | Mic | haha | 0:00:01 |
| 398 | 4:35:38 | Mic | how? | 0:00:01 |
| 399 | 4:35:57 | Cosi | because the women pop had to grow more than the men in order to even out | 0:00:19 |
| 400 | 4:36:07 | Cosi | so the men cant be equal (30) | 0:00:10 |
| 401 | 4:36:11 | Mic | oh wow... | 0:00:04 |
| 402 | 4:36:16 | Mic | i totally skipped the first sentencwe | 0:00:05 |
| 403 | 4:36:16 | Cosi | therefore, the 50,000,000 is the only workable answer | 0:00:00 |
| 404 | 4:36:19 | Dan | very smart | 0:00:03 |
| 405 | 4:36:21 | Cosi | damn im good | 0:00:02 |
| 406 | 4:36:22 | Cosi | damn | 0:00:01 |
| 407 | 4:36:22 | Mic | when i was reading the problem | 0:00:00 |
| 408 | 4:36:23 | Cosi | haha | 0:00:01 |
| 409 | 4:36:24 | Mic | damn | 0:00:01 |
| 410 | 4:36:24 | Mic | damnit | 0:00:00 |
| 411 | 4:36:28 | Hal | yeah that sounds right | 0:00:04 |
| 412 | 4:36:29 | Mic | i had it, if i read the whole problem | 0:00:01 |
| 413 | 4:36:35 | Mic | :'( | 0:00:06 |
| 414 | 4:36:35 | Cosi | ok great, number 5 then | 0:00:00 |
| 415 | 4:36:41 | Hal | i was doing from a now standpiont not based on 2/3 | 0:00:06 |
| 416 | 4:37:01 | Hal | she is right it must be 50,000,000 then | 0:00:20 |
| 417 | 4:37:06 | Mic | i agree | 0:00:05 |
| 418 | 4:37:09 | Mic | as usual | 0:00:03 |
| 419 | 4:37:12 | Cosi | ok great, im smart, lets move on | 0:00:03 |
| 420 | 4:37:14 | Cosi | haha | 0:00:02 |
| 421 | 4:37:15 | Mic | O_0 | 0:00:01 |
| 422 | 4:37:17 | Dan | hehe | 0:00:02 |
| 423 | 4:37:18 | Hal | because then haha | 0:00:01 |
| 424 | 4:37:21 | Mic | cosi = so modest | 0:00:03 |
| 425 | 4:37:23 | Mic | im amazed! | 0:00:02 |
| 426 | 4:37:44 | Ben | so on o Q5 | 0:00:21 |


| 427 | 4:37:47 | Hal | ok so a then for and c for 11 | 0:00:03 |
| :---: | :---: | :---: | :---: | :---: |
| 428 | 4:38:04 | Cosi | yeah | 0:00:17 |
| 429 | 4:38:08 | Mic | haha binh were $u$ doin 5 the whole time? i just noticed you hadnt said anything for a while | 0:00:04 |
| 430 | 4:38:12 | Mic | thought u passed out or something | 0:00:04 |
| 431 | 4:38:15 | Ben | yeah | 0:00:03 |
| 432 | 4:38:21 | Cosi | what'd you get? | 0:00:06 |
| 433 | 4:38:21 | Mic | -_- | 0:00:00 |
| 434 | 4:38:46 | Hal | i am ready to pass out | 0:00:25 |
| 435 | 4:38:59 | Cosi | yeah, not before we do 5 | 0:00:13 |
| 436 | 4:38:59 | Cosi | sorry | 0:00:00 |
| 437 | 4:39:03 | Mic | me too. ill probably do that at my next class | 0:00:04 |
| 438 | 4:39:05 | Dan | if worst comes to worst, just plug in each of the coordinates and figure out the angle degress | 0:00:02 |
| 439 | 4:39:08 | Hal | i have a headache from work and now i am taking the fucking SAT's over again | 0:00:03 |
| 440 | 4:39:09 | Dan | degrees* | 0:00:01 |
| 441 | 4:39:14 | Mic | eh? | 0:00:05 |
| 442 | 4:39:14 | Dan | someone can do that right? | 0:00:00 |
| 443 | 4:39:17 | Cosi | uh oh, you said the F word | 0:00:03 |
| 444 | 4:39:18 | Mic | why are you taking the SAT again | 0:00:01 |
| 445 | 4:39:21 | Mic | SH | 0:00:03 |
| 446 | 4:39:24 | Mic | its not as bad as jackass | 0:00:03 |
| 447 | 4:39:27 | Cosi | HEY WHAT'S NUMBER 5 | 0:00:03 |
| 448 | 4:39:28 | Mic | cuz thats the only word giong up | 0:00:01 |
| 449 | 4:39:31 | Mic | on teh big screen | 0:00:03 |
| 450 | 4:39:33 | Cosi | hahah | 0:00:02 |
| 451 | 4:39:38 | Mic | o crap | 0:00:05 |
| 452 | 4:39:39 | Ben | i'm leaning toward c | 0:00:01 |
| 453 | 4:39:40 | Mic | 5!!! | 0:00:01 |
| 454 | 4:39:41 | Dan | haha | 0:00:01 |
| 455 | 4:39:42 | Mic | we have no time! | 0:00:01 |
| 456 | 4:39:42 | Cosi | im putting b | 0:00:00 |
| 457 | 4:39:43 | Hal | these things are the SAT's | 0:00:01 |
| 458 | 4:39:48 | Mic | yes they are. | 0:00:05 |
| 459 | 4:39:51 | Hal | well not really but you know what I mean | 0:00:03 |
| 460 | 4:39:53 | Mic | i vaguely remember them | 0:00:02 |
| 461 | 4:40:02 | Hal | shit i did really well on them | 0:00:09 |
| 462 | 4:40:04 | Ben | yeah it's been 5 years ago | 0:00:02 |
| 463 | 4:40:07 | Hal | doesn't seem like I would now | 0:00:03 |
| 464 | 4:40:08 | Mic | i remember.. the SAT. and.. the math. and the tears | 0:00:01 |
| 465 | 4:40:14 | Mic | i mean. wats number 5 | 0:00:06 |
| 466 | 4:40:25 | Mic | he's shutting us down soon! lets vote | 0:00:11 |
| 467 | 4:40:27 | Mic | on number 5 | 0:00:02 |
| 468 | 4:40:27 | Hal | 5 is E | 0:00:00 |
| 469 | 4:40:33 | Cosi | my partner over here thinks it's A | 0:00:06 |
| 470 | 4:40:37 | Cosi | WHAT?!!? | 0:00:04 |
| 471 | 4:40:38 | Mic | well | 0:00:01 |
| 472 | 4:40:42 | Ben | we have a 20\% of getting it right | 0:00:04 |
| 473 | 4:40:49 | Ben | guess | 0:00:07 |
| 474 | 4:40:50 | Mic | is yoru partner good at this! | 0:00:01 |
| 475 | 4:40:51 | Hal | that would be an eaqualateral triangle | 0:00:01 |
| 476 | 4:40:52 | Cosi | sooo A | 0:00:01 |
| 477 | 4:40:54 | Mic | if so | 0:00:02 |
| 478 | 4:40:55 | Hal | or a rigt triangle | 0:00:01 |


| 479 | $4: 40: 56$ | Mic | then ill go with A | $0: 00: 01$ |
| :--- | :--- | :--- | :--- | :--- |
| 480 | $4: 40: 57$ | Cosi | yes it would | $0: 00: 01$ |
| 481 | $4: 41: 04$ | Hal | it is actually both withose coordinates | $0: 00: 07$ |
| 482 | $4: 41: 32$ | Mic | equilateral and isosceles? | $0: 00: 28$ |
| 483 | $4: 41: 37$ | Hal | but an isoceles isn't a right triablge | $0: 00: 05$ |
| 484 | $4: 41: 39$ | Mic | ah | $0: 00: 02$ |
| 485 | $4: 41: 41$ | Mic | damn | $0: 00: 02$ |
| 486 | $4: 41: 43$ | Mic | im putting A | $0: 00: 02$ |
| 487 | $4: 41: 48$ | Cosi | haha ooo k | $0: 00: 05$ |
| 488 | $4: 41: 49$ | Mic | lets just put A | $0: 00: 01$ |
| 489 | $4: 41: 51$ | Cosi |  | $0: 00: 02$ |
| 490 | $4: 41: 51$ | Dan | i like b better | $0: 00: 00$ |
| 491 | $4: 41: 51$ | Hal | i am putting E | $0: 00: 00$ |
| 492 | $4: 41: 55$ | Mic | we neeed to have the same answers | $0: 00: 04$ |
| 493 | $4: 41: 58$ | Cosi | damnit | $0: 00: 03$ |
| 494 | $4: 42: 02$ | Mic | otherwise we failed this little collaboration test | $0: 00: 04$ |
| 495 | $4: 42: 03$ | Cosi | pick one punks | $0: 00: 01$ |
| 496 | $4: 42: 04$ | Mic | A | $0: 00: 01$ |
| 497 | $4: 42: 04$ | Mic | A | $0: 00: 00$ |
| 498 | $4: 42: 05$ | Mic | A | $0: 00: 01$ |
| 499 | $4: 42: 06$ | Cosi | A | $0: 00: 01$ |
| 500 | $4: 42: 07$ | Mic | B | $0: 00: 01$ |
| 501 | $4: 42: 08$ | Mic | A | $0: 00: 01$ |
| 502 | $4: 42: 11$ | Dan | ok A | $0: 00: 03$ |
| 503 | $4: 42: 14$ | Cosi | ok fine | $0: 00: 03$ |

