

ECOO Round 1 QUESTIONS

After March 18, 2012

Problem 3 – Triangles

FIRST TRY

Suggested Marking Scheme

Input file name: DATA31.txt

Award 20 marks for each correct set of points on a single line. Note that the three points can appear in any order on the line. However if the numbers are not rounded correctly, as shown, the whole line is wrong.

Deduct 10 marks for each line in which the numbers are correct but the formatting is incorrect (spacing, punctuation, etc).

Award 10 bonus marks if all 5 lines are exactly correct.

```
(-54.6,14.6) (54.6,-14.6) (25.4,94.6)
(54.6,-14.6) (-54.6,14.6) (-25.4,-94.6)
(-153.2,-134.6) (153.2,134.6) (-233.2,265.4)
(-173.2,-100.0) (173.2,100.0) (-173.2,300.0)
(100.0,-173.2) (-100.0,173.2) (-300.0,-173.2)
```

ECOO Round 1 QUESTIONS

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SECOND TRY

Suggested Marking Scheme

Input file name: DATA32.txt

Award 20 marks for each correct set of points on a single line. Note that the three points can appear in any order on the line. However the numbers are not rounded correctly, the whole line is wrong.

Deduct 10 marks for each line in which the numbers are correct but the formatting is incorrect.

```
(-99.5,0.3) (99.5,-0.3) (0.5,172.3)
(49.5,86.3) (-49.5,-86.3) (149.5,-85.7)
(17.3,10.0) (-17.3,-10.0) (17.3,-30.0)
(-11.5,19.9) (11.5,-19.9) (34.5,19.9)
(-51.0,-97.6) (51.0,97.6) (-169.0,88.4)
```