

Triangles Prep Problem Set

All triangles can be classified 2 ways, once based on its side lengths and once based on its angle measures. The side classifications are Scalene, Isosceles, Equilateral. The angle classifications are Acute, Right, Obtuse. List below the main defining characteristic for each of those classifications. Look online if you can't remember!

1) Scalene Triangle:

2) Isosceles Triangle:

3) Equilateral Triangle:

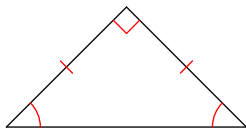
4) Acute Triangle:

5) Right Triangle:

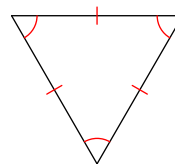
6) Obtuse Triangle:

Classify each triangle by its angles and sides. Equal sides and equal angles, if any, are indicated in each diagram. Each triangle has 2 answers

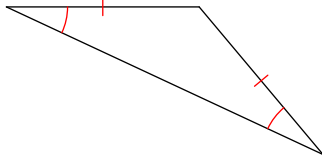
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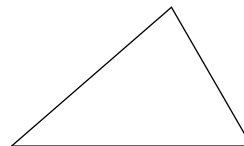
8)



9)

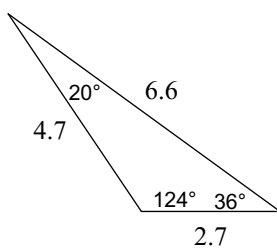


10)

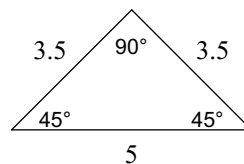


Classify each triangle by its angles and sides. Each triangle has 2 answers.

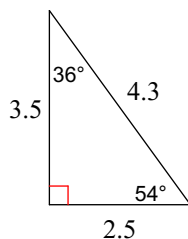
11)



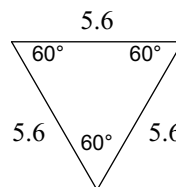
12)



13)



14)



Find the coordinates of the midpoint of the line segment with the given endpoints.

15) $(4, 4), (0, 10)$

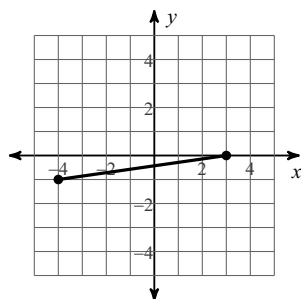
16) $(1, -7), (-10, -3)$

17) $(-5, -5), (6, 0)$

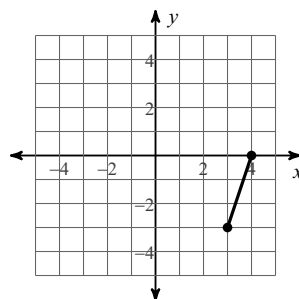
18) $(4, -3), (-7, 0)$

Find the coordinates of the midpoint of each line segment.

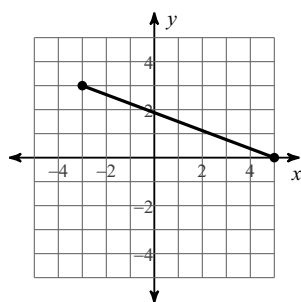
19)



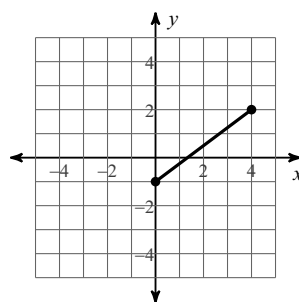
20)



21)



22)



Find the other endpoint of the line segment with the given endpoint and midpoint.

23) Endpoint: $(-4, 0)$, midpoint: $(-2, -2)$