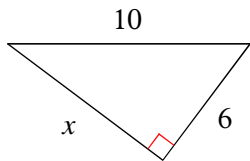


**Do NOT Write on Worksheet**

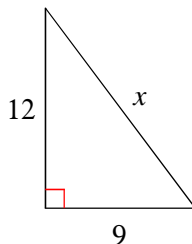
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**Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.**

1)

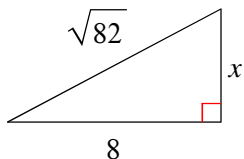


2)

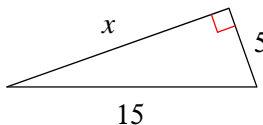


**Find the missing side of each triangle. Leave your answers in simplest radical form.**

3)



4)



**Find the distance between each pair of points.**

5)  $(-4, -7), (6, -3)$

6)  $(-3, 6), (-7, 3)$

7)  $(-3, 0), (2, 5)$

8)  $(-1, 5), (3, 5)$

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

9)  $(-2, -8), (10, -8)$

10)  $(-6, 4), (4, 3)$

11)  $(4, 6), (9, -1)$

12)  $(1, 10), (3, 10)$

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

13) Endpoint:  $(8, -6)$ , midpoint:  $(-6, 10)$

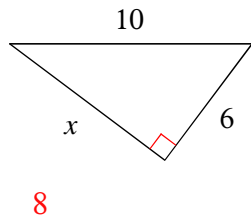
14) Endpoint:  $(-10, -9)$ , midpoint:  $(9, -1)$

## Do NOT Write on Worksheet

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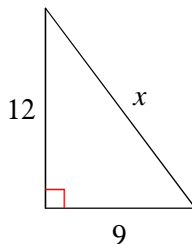
Find the missing side of each triangle. Round your answers to the nearest tenth if necessary.

1)



8

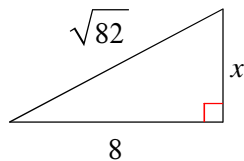
2)



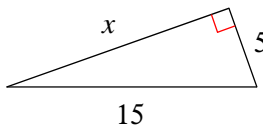
15

Find the missing side of each triangle. Leave your answers in simplest radical form.

3)

 $3\sqrt{2}$ 

4)

 $10\sqrt{2}$ 

Find the distance between each pair of points.

5)  $(-4, -7), (6, -3)$  $2\sqrt{29}$ 6)  $(-3, 6), (-7, 3)$ 

5

7)  $(-3, 0), (2, 5)$  $5\sqrt{2}$ 8)  $(-1, 5), (3, 5)$ 

4

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

9)  $(-2, -8), (10, -8)$  $(4, -8)$ 10)  $(-6, 4), (4, 3)$  $\left(-1, 3\frac{1}{2}\right)$ 11)  $(4, 6), (9, -1)$  $\left(6\frac{1}{2}, 2\frac{1}{2}\right)$ 12)  $(1, 10), (3, 10)$  $(2, 10)$ 

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

13) Endpoint:  $(8, -6)$ , midpoint:  $(-6, 10)$  $(-20, 26)$ 14) Endpoint:  $(-10, -9)$ , midpoint:  $(9, -1)$  $(28, 7)$