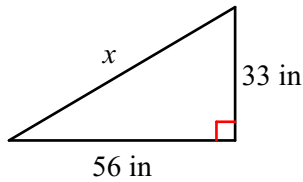


June 11, 2015

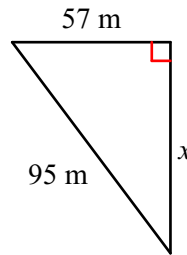
Date \_\_\_\_\_ Period \_\_\_\_\_

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

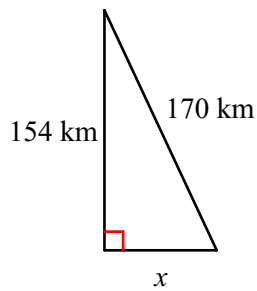
1)



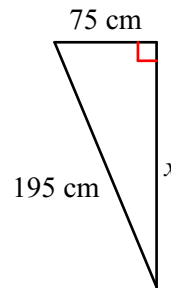
2)



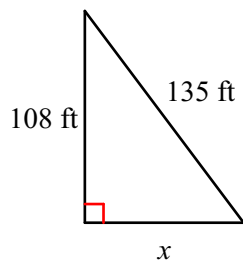
3)



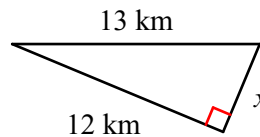
4)



5)



6)



**State if the three sides lengths form a right triangle.**

7) 57 m, 76 m, 95 m

8) 102 in, 136 in, 175 in

9) 60 in, 175 in, 181 in

10) 9 cm, 40 cm, 41 cm

11) 96 cm, 128 cm, 165 cm

12) 60 in, 63 in, 87 in

**Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.**

13)  $(-8, -4), (3, 1)$

14)  $(1, 19), (7, -12)$

15)  $(-12, -18), (-17, 2)$

16)  $(-11, -14), (6, -8)$

17)  $(15, -14), (4, -11)$

18)  $(-16, -1), (-12, 12)$

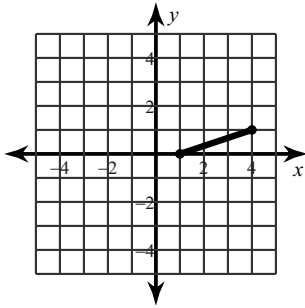
19)  $(-14, -4), (12, -12)$

20)  $(-9, -2), (13, -8)$

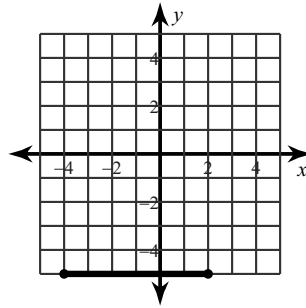
21)  $(5, 19), (-9, 9)$

22)  $(-18, 15), (-13, 5)$

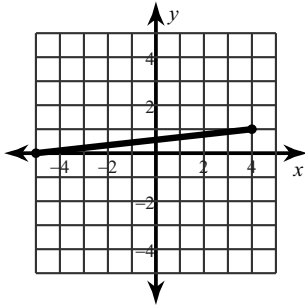
23)



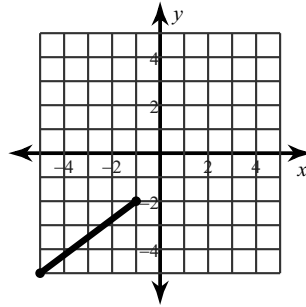
24)



25)



26)



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

27)  $(-17, -11), (7, 0)$

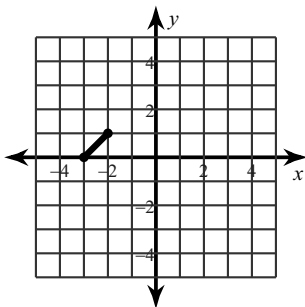
28)  $(-12, 14), (-15, -17)$

29)  $(4, 8), (17, -5)$

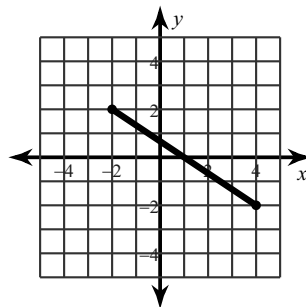
30)  $(-19, 0), (-13, 2)$

**Find the midpoint of each line segment.**

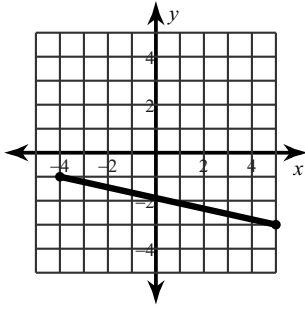
31)



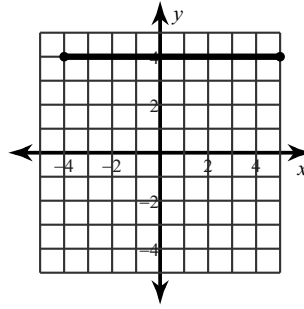
32)



33)



34)



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

35) Endpoint:  $(18, 17)$ , midpoint:  $(2, 17)$ 36) Endpoint:  $(18, 7)$ , midpoint:  $(15, 17)$ 37) Endpoint:  $(-18, 10)$ , midpoint:  $(-3, 7)$ 38) Endpoint:  $(-18, -12)$ , midpoint:  $(-1, -11)$ 39) Endpoint:  $(10, 18)$ , midpoint:  $(-18, 1)$ 40) Endpoint:  $(15, -13)$ , midpoint:  $(-17, -10)$

## Answers to June 11, 2015 (ID: 1)

- |  |                                   |   |  |
|--|-----------------------------------|---|--|
| 1) 65 in                                       | 2) 76 m                           | 3) 72 km                                      | 4) 180 cm  |
| 5) 81 ft                                       | 6) 5 km                           | 7) Yes  | 8) No  |
| 9) No  | 10) Yes                           | 11) No  | 12) Yes  |
| 13) 12.1                                       | 14) 31.6                          | 15) 20.6                                      | 16) 18   |
| 17) 11.4                                       | 18) 13.6                          | 19) 27.2                                      | 20) 22.8   |
| 21) 17.2                                       | 22) 11.2                          | 23) 3.2                                       | 24) 6  |
| 25) 9.1  | 26) 5                             | 27) $\left(-5, -5\frac{1}{2}\right)$          | 28) $\left(-13\frac{1}{2}, -1\frac{1}{2}\right)$ |
| 29) $\left(10\frac{1}{2}, 1\frac{1}{2}\right)$ | 30) $(-16, 1)$                    | 31) $\left(-2\frac{1}{2}, \frac{1}{2}\right)$ | 32) $(1, 0)$                                     |
| 33) $\left(\frac{1}{2}, -2\right)$             | 34) $\left(\frac{1}{2}, 4\right)$ | 35) $(-14, 17)$                               | 36) $(12, 27)$                                   |
| 37) $(12, 4)$                                  | 38) $(16, -10)$                   | 39) $(-46, -16)$                              | 40) $(-49, -7)$                                  |