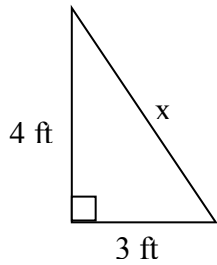Name:_____ Date: _____ Pythagorean Theorem Practice
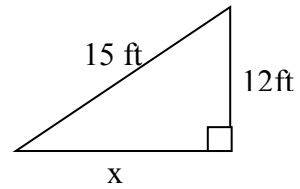
Label the hypotenuse of the triangle c. In each triangle find the length of the side marked x to the nearest unit (foot, cm, etc.). Show your work.
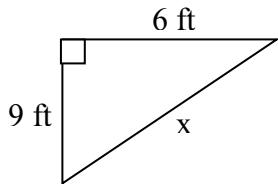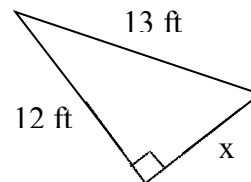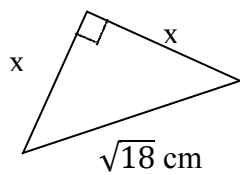
$$a^2 + b^2 = c^2$$

1.

4 ft

x

3 ft

2.

15 ft

12ft

x

3.

6 ft

9 ft

x

4.

13 ft

12 ft

x

5.

x

x

$\sqrt{18}$ cm

6.

12 in

24 in

x

7.

15cm

10cm

x

8.

20 in

x

2 in

9.

x

10 ft

26 ft

10.

x

6 cm

12 cm

11.

10 in

x

8 in

12.

12 cm

x

12 cm

13.

20 cm

$\sqrt{375}$ cm

x

14.

x

400ft

500 ft