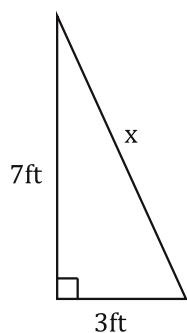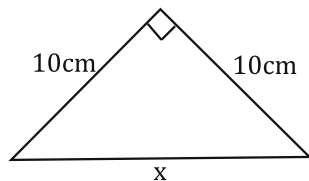Write out the Pythagorean theorem, and solve for the missing side of each right triangle.
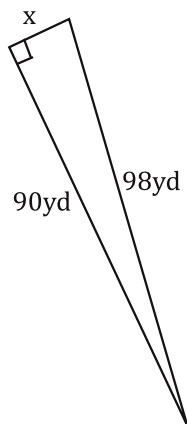
1.
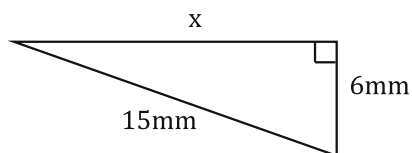
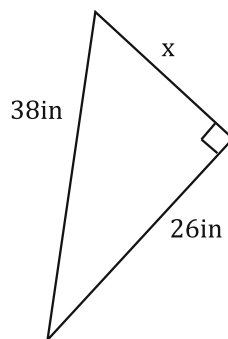7ft
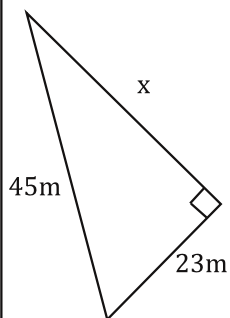x
3ft

2.

x
15mm
6mm

3.

10cm
10cm
x

4.

38in
x
26in

5.

x
90yd
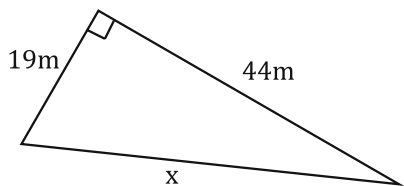98yd

6.

45m
x
23m

28
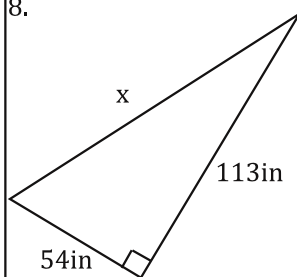
Bubble all the correct answers from above. Don't bubble incorrect answers.

○ 6.7   ○ 7.6   ○ 38.7   ○ 73.8   ○ 13.7   ○ 38.8   ○ 14.1   ○ 41.1   ○ 27.7   ○ 72.7

7.

19m

44m

x

8.

x

113in

54in
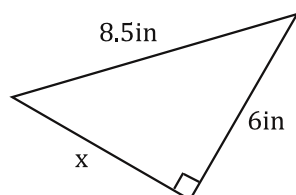
9.

8.5in

6in

x

10.

3ft

x

4ft

11.

x

92mi

13mi

12.

67mm

x

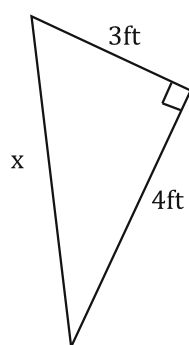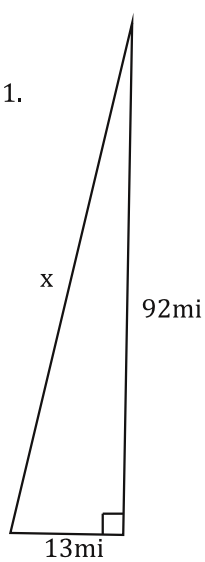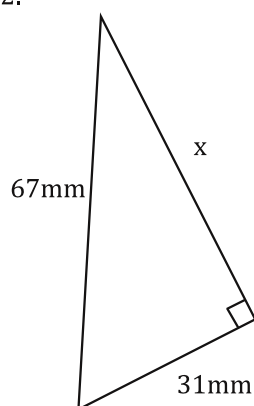31mm

29

Bubble all the correct answers from above. Don't bubble incorrect answers.

○ 6   ○ 5   ○ 10.4   ○ 73.8   ○ 9.9   ○ 92.9   ○ 59.4   ○ 7.7   ○ 47.9   ○ 125.2

For these draw a picture... it will help a lot!

13. Find the hypotenuse of a right triangle with legs 16in and 12 in long.

14. Find the hypotenuse of a right triangle with legs 23in and 17in long.

15. A right triangle has a hypotenuse that is 45m long and one leg that is 15m long. Find the length of the other leg.

16. A right triangle has a hypotenuse that is 19ft long and one leg that is 6ft long. Find the length of the other leg.

17. Find the hypotenuse of a right triangle with legs 79cm and 55cm long.

18. A right triangle has a hypotenuse that is 37mm long and one leg that is 21mm long. Find the length of the other leg.

Bubble all the correct answers from above. Don't bubble incorrect answers.

○ 96.3   ○ 30.5   ○ 18   ○ 42.4   ○ 20   ○ 15.5   ○ 47.4   ○ 5   ○ 42.5   ○ 28.6