Find the value of x.
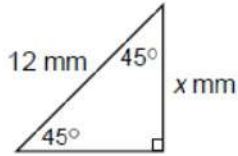
1.

12 mm 45°
x mm
45°

2.

30°
24 mm
60°
x

3.

x
45°
45°
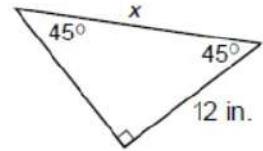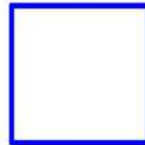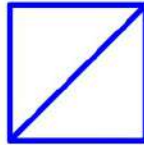12 in.

7. Find the length of a diagonal of a square with sides 10 in. long.

8. Find the length of a side of a square whose diagonal is 4 cm.

9. One side of an equilateral triangle measures 6 cm. Find the measure of an altitude of the triangle.