Name: _____   Date: _____

Chapter 9 Test Study Guide

Find the area of each figure.

1)   5ft   12 ft   9 ft

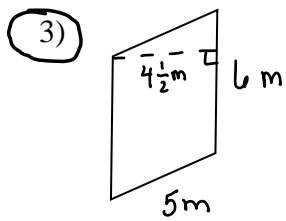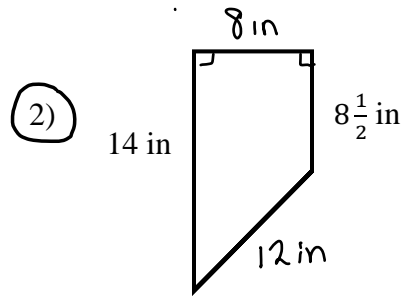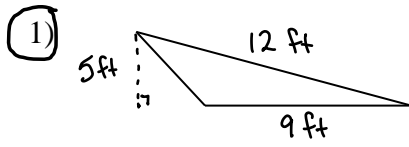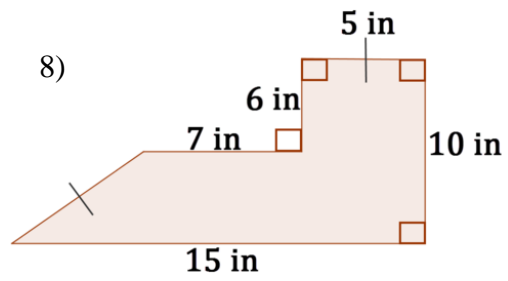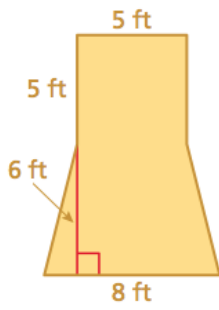2)   8 in   14 in $8\frac{1}{2}$ in   12 in

3) $4\frac{1}{2}$ m   6 m   5m

4)   3 in   7 in   8 in   9 in   14 in

5)   8 in   14 in   10 in.

6)   2 ft   2 ft   3 ft   2 ft   3 ft   7 ft

7)

15 m
6 m
20 m
6 m
5 m
16 m

8)

5 in
6 in
7 in
10 in
15 in

9)

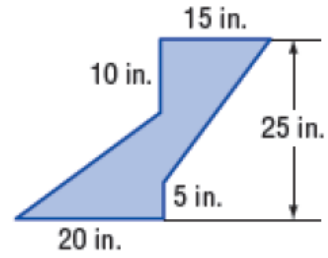
5 ft
5 ft
6 ft
8 ft

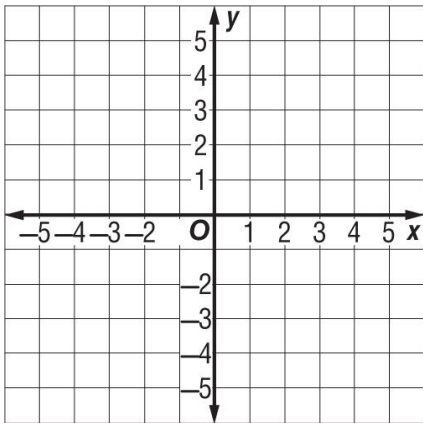**10)**

15 in.
10 in.
25 in.
5 in.
20 in.
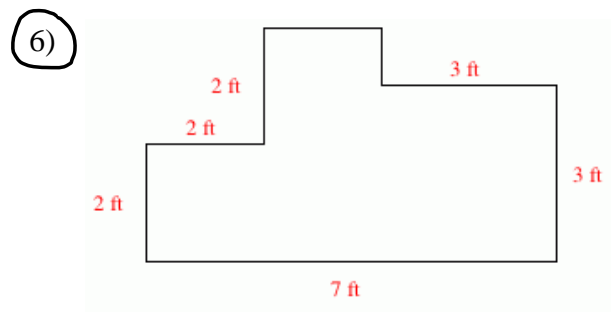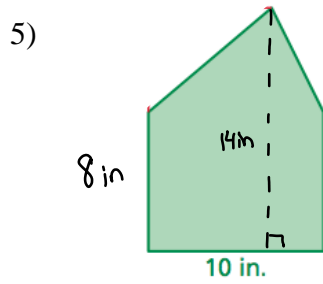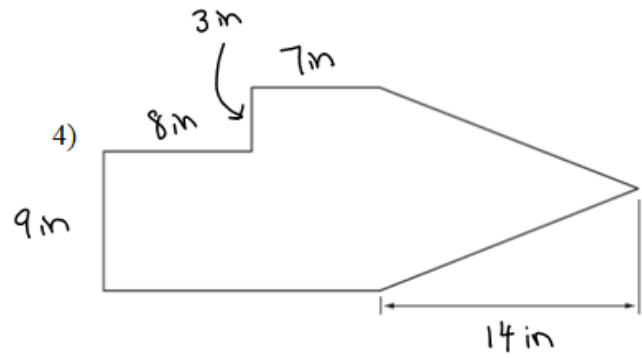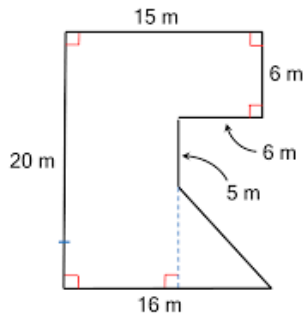
11) A parallelogram has an area of $2\frac{1}{2}$ square feet. Find the base of the parallelogram if the height is $\frac{3}{4}$ feet.

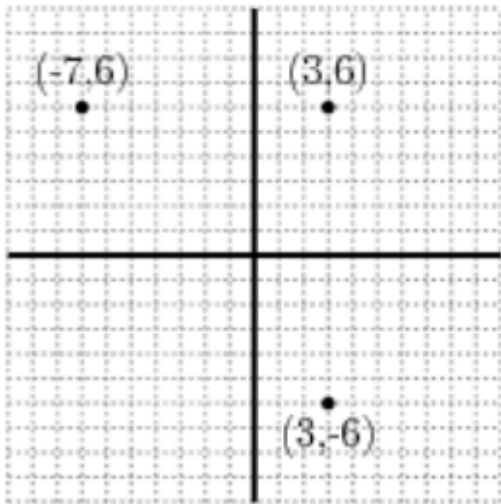12) A square has a perimeter of 28 inches. Find the area of the square.

13) Find the base of a triangle with an area of $\frac{7}{20}$ yd^2 and a height of $\frac{4}{5}$ yd.

(14) **Graph and classify the figure. Then find the area of the figure:**
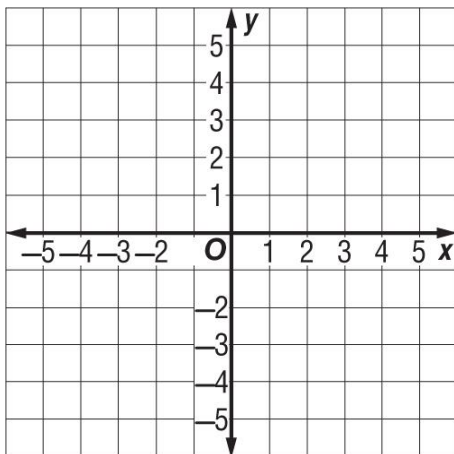
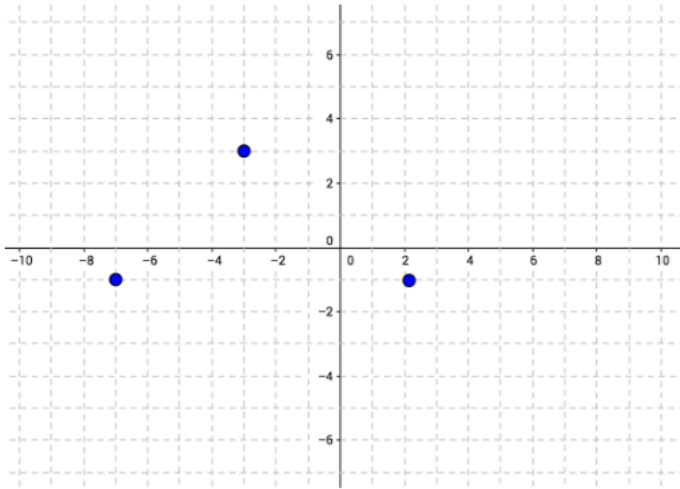$D(-1, -1)$, $E(-1, 3)$, $F(2, 4)$, $G(2, -3)$

15) In the graph below, three vertices of a rectangle are shown. Find the perimeter and area of the rectangle.

16) The upper-left coordinates on a rectangle are $(-1, 4)$, and the upper-right coordinates are $(3, 4)$. The rectangle has a perimeter of 24 units.
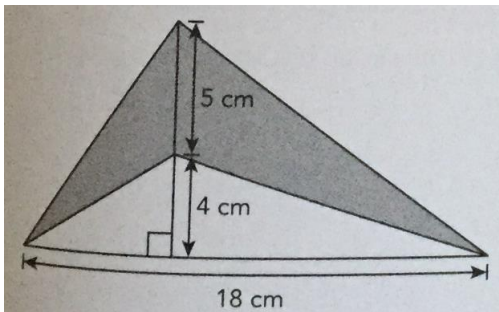
17) Using the picture below, what fourth point, in Quadrant I, would form a parallelogram?
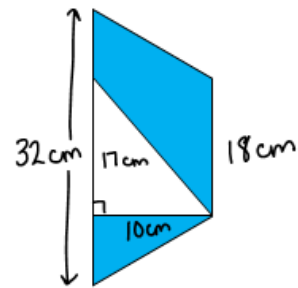

For questions 18 & 19, find the area of the shaded region.

18)

19)

For question 20, use the figure of the backyard and patio to the right.

20) What is the area of the lawn of the backyard?