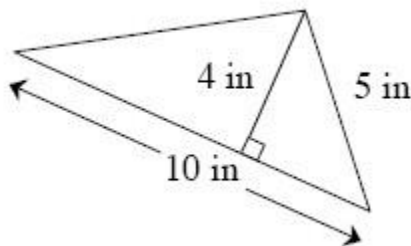
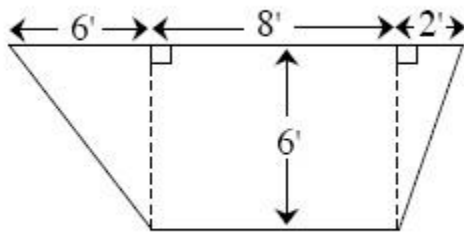


- **2-90.** Find the area of each figure below. Show all work. Remember to include units in your answer.

1. a square:



- 2.



- 3.

- **2-92.** Graph the following equations on the same set of axes. Label each line or curve with its equation. Where do the two curves intersect?

$$y = -x - 3$$

$$y = x^2 + 2x - 3$$

- **2-93.** On graph paper, plot quadrilateral $ABCD$ if $A(2, 7)$, $B(4, 8)$, $C(4, 2)$, and $D(2, 3)$.

1. What is the best name for this shape? **Justify** your conclusion.
2. Quadrilateral $A'B'C'D'$ is formed by rotating $ABCD$ 90° clockwise about the origin. Name the coordinates of the vertices.
3. Find the area of $ABCD$. Show all work.

• **2-94.** What is the probability of drawing each of the following cards from a standard playing deck? Refer to problem 2-74 if you need information about a deck of cards.

1. $P(\text{face card})$
2. $P(\text{card printed with an even number})$
3. $P(\text{red ace})$
4. $P(\text{purple card})$