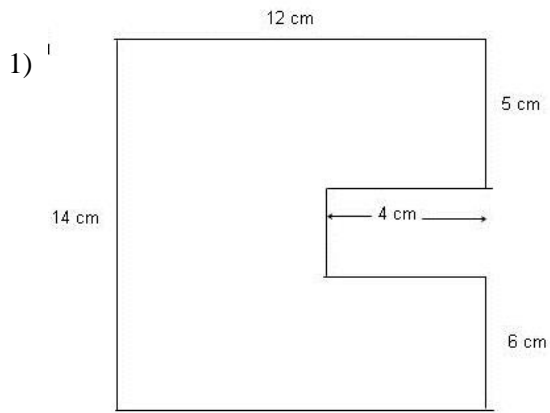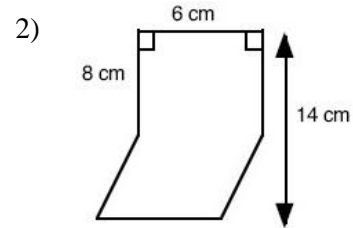Name: _____     Date: _____

# Chapter 9 Quiz 2 Practice HW
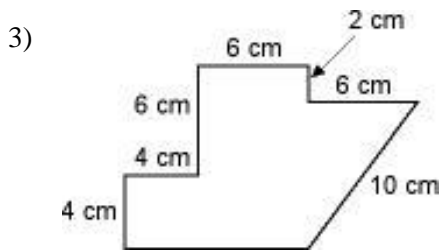
**Find the area of each figure. Show all work and label answers appropriately.**

1)

12 cm
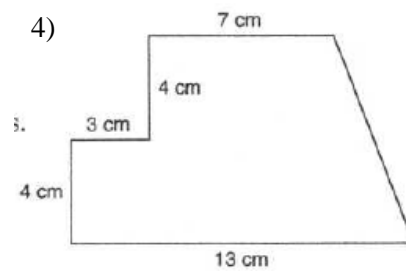
5 cm

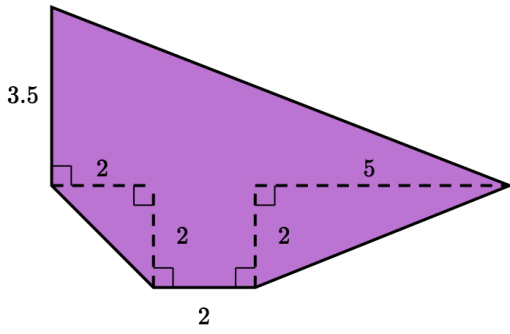14 cm

4 cm

6 cm

**156 sq cm**

2)

6 cm

8 cm

14 cm

**84 sq cm**

3)

2 cm

6 cm

6 cm

6 cm

4 cm

10 cm

4 cm

**100 sq cm**

4)

7 cm

4 cm

3 cm

4 cm

13 cm

**80 sq cm**

5)



3.5

2

2

5

2

2

**26.75 sq units**

6)



9.0

3.5

2

5

2

2

**42.5 sq units**

7)



2

2

4

1

**7 sq units**

8)



12 m

12 m

4 m

12 m

4 m
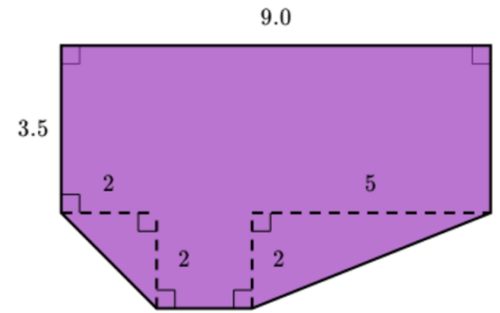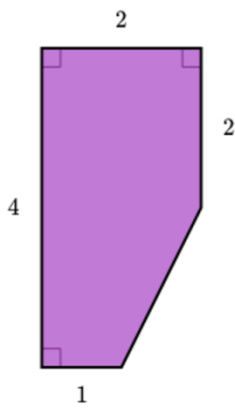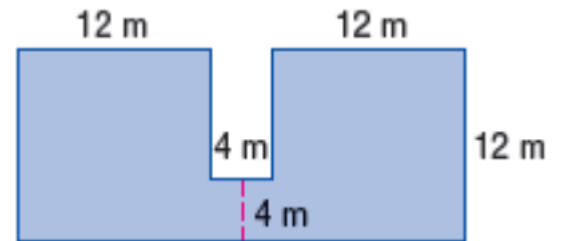
**304 sq m**

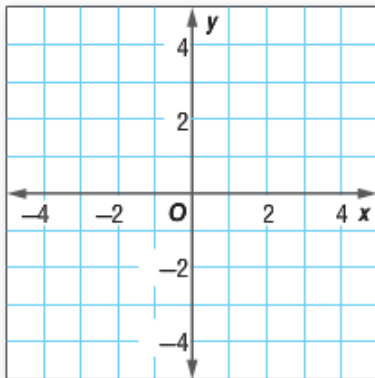9) Graph the figure and classify it. Then find the area:

G(−4, 1), H(4, 1), I(3, −3), J(−1, −3)   **Trapezoid; 24 sq units**



10) Melinda is building a rectangular border around her bedroom window. The coordinates of the vertices of the border are (2, 3), (4, 3), (4, 7), and (2, 7). Each grid square has a length of 12 inches. Find the perimeter of the rectangle.

**144 inches**

11)

**CCSS** **Use Math Tools** A rectangle has a perimeter of 20 units. The coordinates of three of the vertices are (0, 0), (6, 0), and (6, 4) as shown on the graph.

a. What is the coordinate of the missing vertex?

**(0, 4)** _____

b. Plot points (6, 6) and (2, 4). Connect these points to create a composite figure.

c. What is the area of the composite figure?   **28 sq units**