**Homework - Inscribed Figures (Math 7 Plus)**

Find the area of the shaded portion of the following figures:

1. 2.

Triangle has a base of 3 yd and a height of 2 yd.

5 cm

6 yd

3 cm

8 cm

Area of rectangle: \_\_\_\_\_\_\_ Area of square: \_\_\_\_\_\_\_

Area of square: \_\_\_\_\_\_\_ Area of triangle: \_\_\_\_\_\_\_

Area of shaded region: \_\_\_\_\_\_\_ Area of shaded region: \_\_\_\_\_\_\_

8 cm

3. 4.

6 cm

4 in.

4 in.

7 in.

14 cm

16 in.

Area of rectangle: \_\_\_\_\_\_\_ Area of trapezoid: \_\_\_\_\_\_\_

Area of circle: \_\_\_\_\_\_\_ Area of triangle: \_\_\_\_\_\_\_

Area of shaded region: \_\_\_\_\_\_\_ Area of shaded region: \_\_\_\_\_\_\_

17 ft

5. 6.

The bases of the trapezoid measure 10 m and 18 meters

14 cm

16 m

8 m

25 ft

20 m

Area of triangle: \_\_\_\_\_\_\_ Area of Square: \_\_\_\_\_\_\_

Area of circle: \_\_\_\_\_\_\_ Area of Semi Circles: \_\_\_\_\_\_\_

Area of shaded region: \_\_\_\_\_\_\_ Area of shaded region: \_\_\_\_\_\_\_

7. 8.

24 inches

18 meters

Area of square: \_\_\_\_\_\_\_ Area of rectangle: \_\_\_\_\_\_\_

Area of circle: \_\_\_\_\_\_\_ Area of circles: \_\_\_\_\_\_\_

Area of shaded region: \_\_\_\_\_\_\_ Area of shaded region: \_\_\_\_\_\_\_

32 inches

9. 10.

3 cm

5 cm

10 inches

3 cm

14 inches

4 cm

6 cm

Area of parallelogram: \_\_\_\_\_\_\_ Area of triangle: \_\_\_\_\_\_\_

Area of triangle: \_\_\_\_\_\_\_ Area of parallelogram: \_\_\_\_\_\_\_

Area of shaded region: \_\_\_\_\_\_\_ Area of shaded region: \_\_\_\_\_\_\_

11. 12.

10 mm

12 ft

18 mm

6 mm

Area of triangle: \_\_\_\_\_\_\_ Area of Square: \_\_\_\_\_\_\_

Area of circle: \_\_\_\_\_\_\_ Area of Semi Circles: \_\_\_\_\_\_\_

Area of shaded region: \_\_\_\_\_\_\_ Area of shaded region: \_\_\_\_\_\_\_