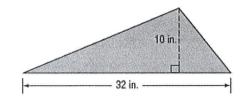
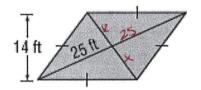
Geometry Chapter 11 Review

1. Find the area of the triangle.

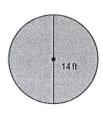
$$A = \frac{1}{2}(32)(10)$$
 $A = 160 \text{ in } 2$



♠ 2. Find the area of the rhombus.



3. Find the area of the circle. Round to the nearest tenth.

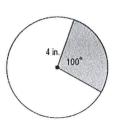


4. Find the area of the sector of the circle. Round to the nearest tenth.

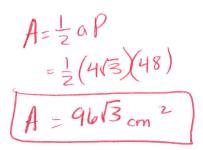
$$A = \frac{100}{360} \cdot \pi (4^{2})$$

$$= \frac{5}{16} \cdot 16 \pi$$

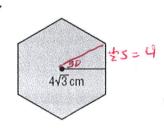
$$A = 5 \pi \text{ in } 2$$



♦ 5. Find the area of the regular hexagon. Round to the nearest tenth.

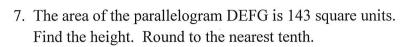


$$a=4\sqrt{3}$$
 $\frac{1}{2}s=4\sqrt{3}$
 $2\sqrt{2}s=4\cdot 2$
 $S=8$
 $P=6(8)=48$



$$d_1 = 10 + 3 = 13$$

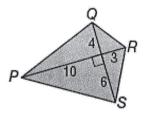
 $d_2 = 4 + 6 = 10$

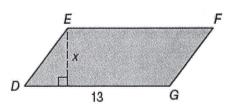


$$A = 143$$
 $A = bh$

$$143 = (13)h$$

$$111 = h$$





8. The area of a circle is 314.2 square feet. What is the length of its radius?

9. Find the area of the trapezoid. Round to the nearest tenth.

$$h=5$$
 $b_1=21$
 $b_2=12.5$

$$\frac{500}{X} = \left(\frac{20}{15}\right)^2$$

$$\frac{500}{x} = \left(\frac{4}{3}\right)^2$$

$$\frac{500}{X} = \frac{16}{9}$$

20 m
$$A = 500 \text{ m}^2$$

