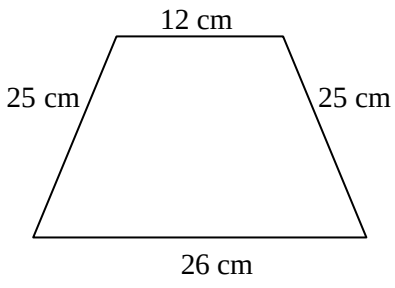
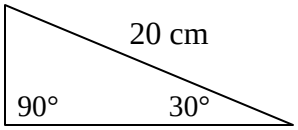
CC Geometry Second Semester Review Name_____
Chapter 10
#1-9: Give answers in simplest form. No decimals!

1. The diagonal of a square is 8 cm. Find the area of the square.	2. Find the area of a rhombus if its perimeter is 40 and one diagonal measures 16.
3. Find the area of a rectangle with length 10 and diagonal 12.	4. Find the area of an equilateral triangle with perimeter 24.
5. Find the apothem and area of a regular hexagon with radius 8.	6. Find the area of this isosceles trapezoid. 

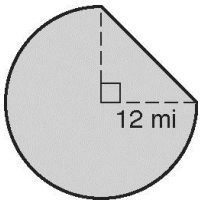
7. The area of trapezoid is 108 cm^2. One base is 7 cm, and the height is 12 cm. Find the length of the second base.

8. Find the area.



9. The circumference of a circle is 40π inches. Find the area of this circle.

10. Find the area of the composite figure. Use $\pi \approx 3.14$ and round to the nearest tenth.



11. A rectangle has base 16 cm and height 7 cm. What is the effect on the area if the base and height are both tripled?

12. A circle has radius 2 feet. What is the effect on the area if the radius is tripled?

rectangle $A = bh$

trapezoid $A = \frac{1}{2}h(b_1 + b_2)$

parallelogram $A = bh$

rhombus $A = \frac{d_1 \cdot d_2}{2}$

triangle $A = \frac{1}{2}bh$

circle $A = \pi r^2$, $C = 2\pi r$ or πd

regular polygon $A = \frac{1}{2}pa$