Dieckmann-Geometry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hr: \_\_\_

**HWK #2 Triangle and Trapezoid (Due: \_\_\_\_\_\_\_\_\_\_\_\_)**



1. Find the base of a triangle in which A =  sq. in.

Answer: 2x inches

2. Find the area of the triangle 50 cm2, the height is 4 times the base. What is the base?

Answer: 5 cm

3. The area of an equilateral triangle is$ 4\sqrt{3}$ sq. ft. Find the perimeter of the triangle.

Answer: 12 feet

4. The perimeter of an isosceles trapezoid is 40 feet. The bases of the trapezoid are 11 ft. and 19 ft. Find the area of the trapezoid.

Answer: 45 ft2

5. A = 357. Find x.



 Answer: 21 inches

6. Find the area of a trapezoid where$ b\_{1}=x$ in, $b\_{2}=5x$ in, and $h=8x$ in.

Answer: 24x2 in2