

base and height of a figure:

Must be perpendicular

Area of a Rectangle: $A = b \cdot h$

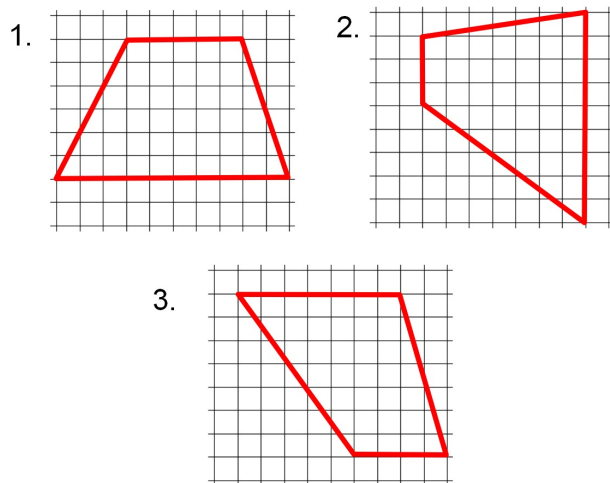
Area of a Square: $A = b \cdot h = s^2$

Area of a Parallelogram: $A = b \cdot h$

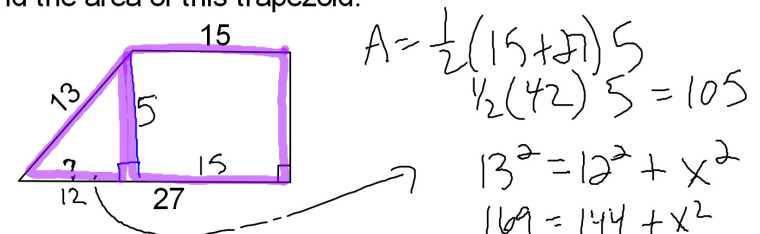
The area of a Triangle: $A = \frac{1}{2} b \cdot h$

Area of a Trapezoid: $A = \frac{1}{2} (b_1 + b_2) h$

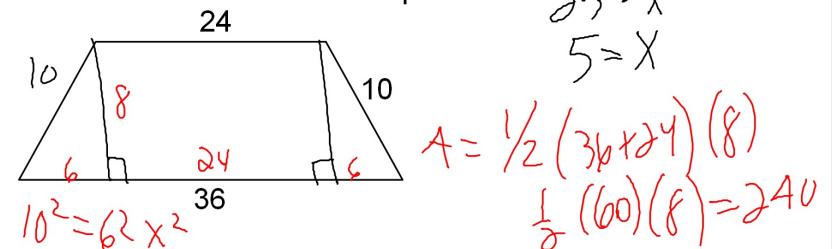
Find the area of each trapezoid.



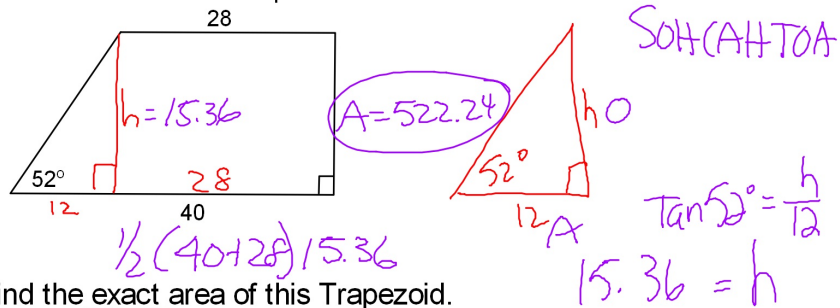
Find the area of this trapezoid.



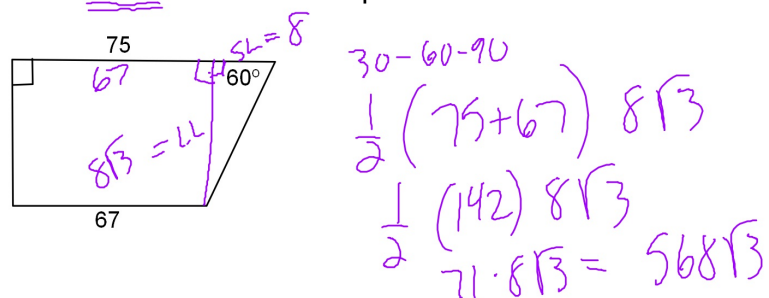
Find the area of this Isosceles Trapezoid.



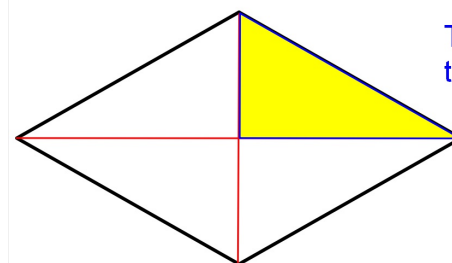
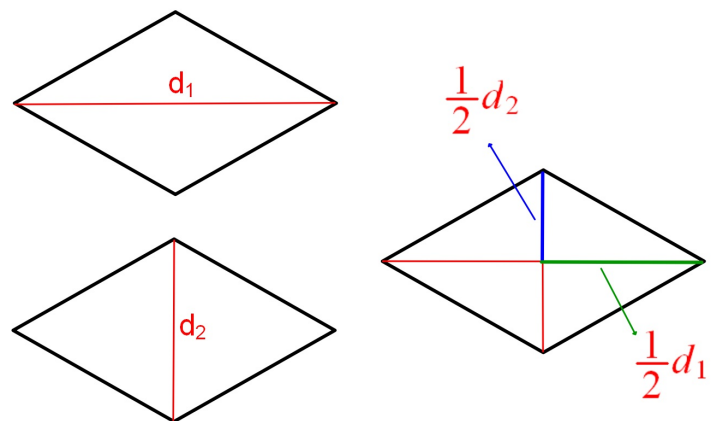
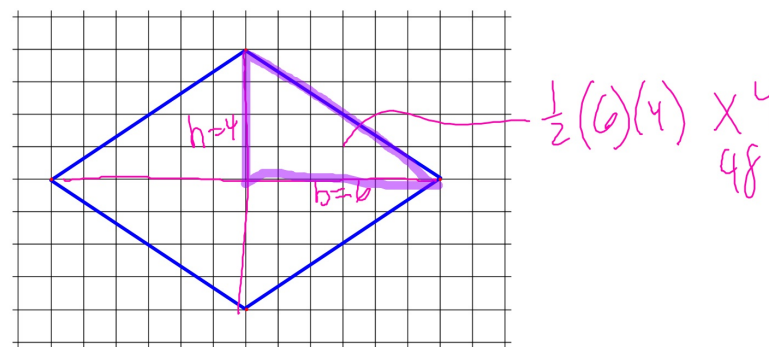
Find the area of this Trapezoid. Round to a tenth.



Find the exact area of this Trapezoid.



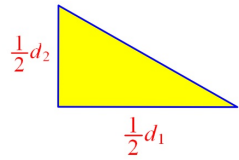
Find the area of this Rhombus.



There are four of these triangles.

Area of the Rhombus is the area of four triangles.

Area of the Rhombus = 4 • (area of 1 triangle)



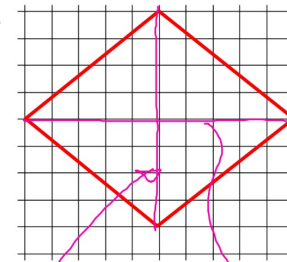
$$A = 4 \cdot \frac{1}{2}bh$$

$$A = 4 \cdot \frac{1}{2} \left(\frac{1}{2}d_1 \right) \left(\frac{1}{2}d_2 \right)$$

$$A = \frac{1}{2}d_1d_2$$

Find the area of each Rhombus. Round to a tenth if needed.

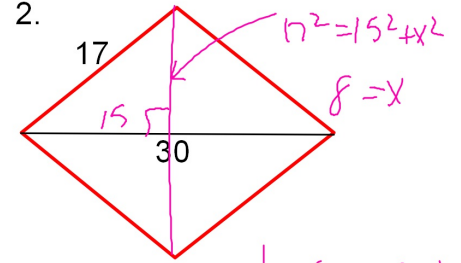
1.



$$A = \frac{1}{2}(8)(10)$$

(40)

2.



$$\frac{1}{2}(30)(16)$$

(240)