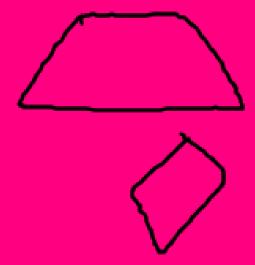
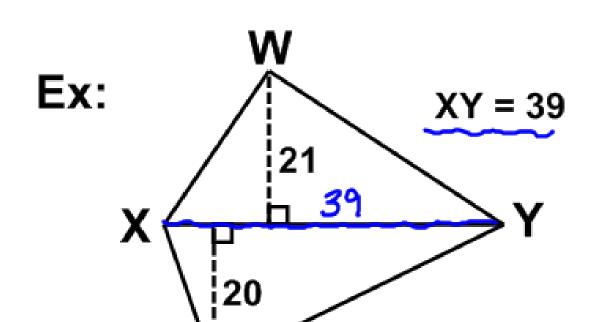
## 11 - 2 Areas of Triangles, Trapezoids, and Rhombi



triangle: ½bh

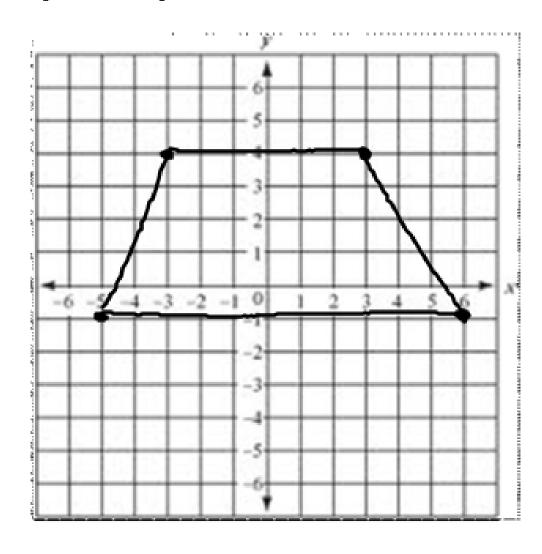
trapezoid: 
$$\frac{1}{2}(b_1+b_2)h$$



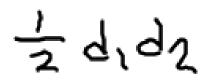
$$\frac{1}{2} \cdot 39 \cdot 21 = 409.5$$
 $\frac{1}{2} \cdot 39 \cdot 20 = 390$ 
 $\frac{1}{199.5}$ 

Ex: Find the area of a trapezoid with vertices (- 3, 4), (3, 4), (- 5, - 1), and (6, - 1).

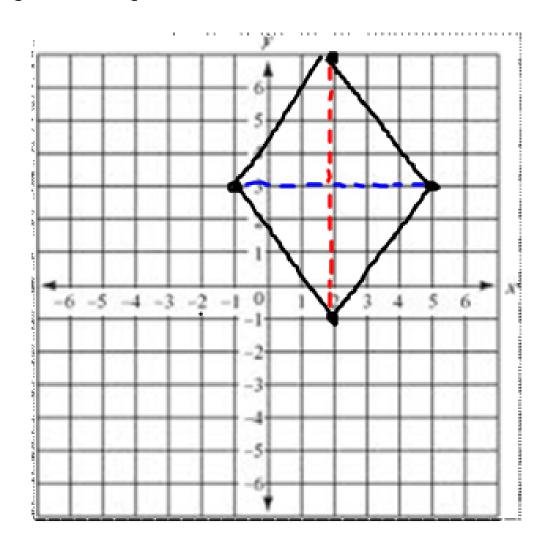
$$\frac{1}{2}(b_1+b_2)h$$
 $\frac{1}{2}(b_1+b_2)5$ 
 $\frac{1}{2}(17)5$ 
 $\frac{1}{2}(17)5$ 
 $\frac{1}{2}(17)5$ 



Ex: Find the area of a rhombus with vertices (2, 7), (5, 3), (2, -1), and (-1, 3).







Homework:

p.605 #4 - 11