

6.7 Areas of Triangles and Quadrilaterals

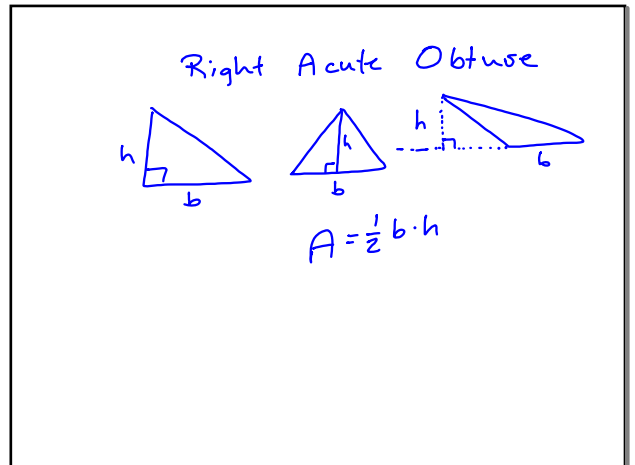
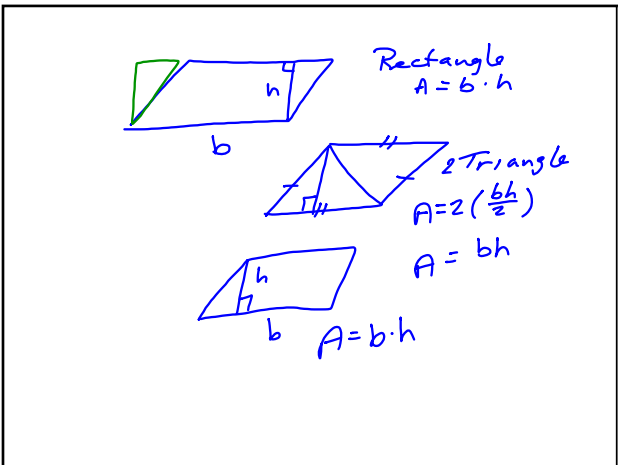
Using standard formulas and variations given information this chapter

Standard Formulas

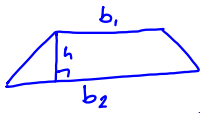
$A = s^2$

$A = l \cdot w$
 $A = b \cdot h$

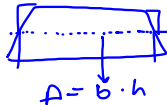
$A = \frac{1}{2} b \cdot h$



Trapezoid

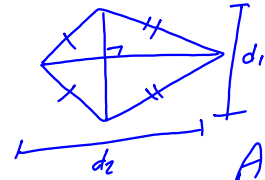


$$A = \frac{1}{2}(b_1 + b_2)h$$



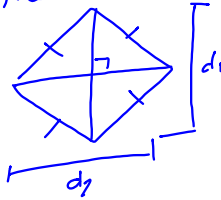
$$A = b \cdot h$$

kite



$$A = \frac{1}{2} d_1 \cdot d_2$$

Rhombus



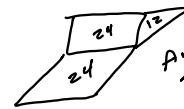
$$A = \frac{1}{2} d_1 \cdot d_2$$



$$A = \frac{1}{2} b h_1 \quad A = \frac{1}{2} b h_2$$

$$A = \frac{1}{2} b (h_1 + h_2)$$

Area of Regions
Several connected
geometric figures



Area of individual
parts added
together