



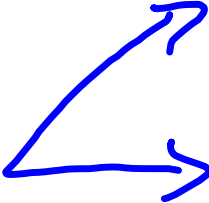
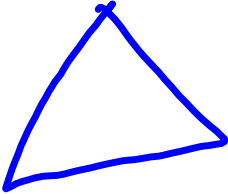


## 9-1 Definitions, Area, Perimeter

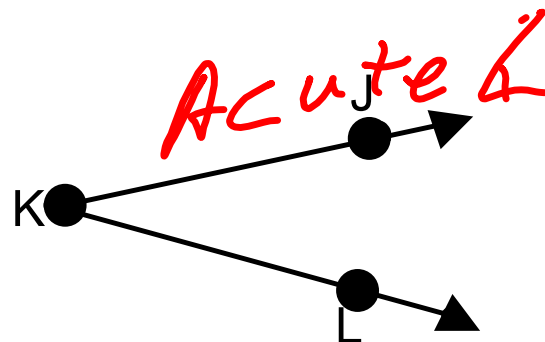
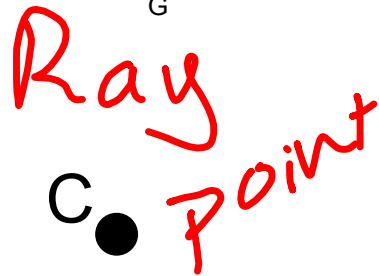
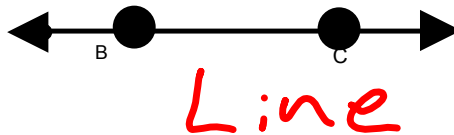
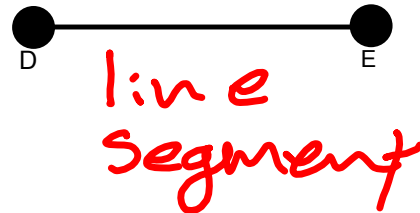
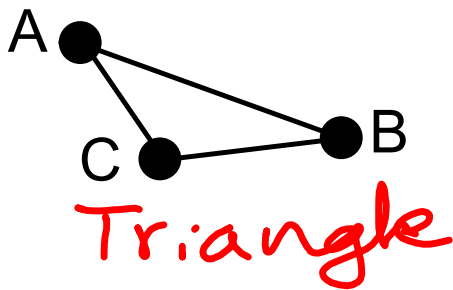
Objectives:

-I can define the following vocabulary words: point, line, line segment, angle, ray and triangle.

I can calculate the area and perimeter of rectangles and triangles.

Vocabulary	Drawing	Definition
Point:		
Line:		
Line segment:		
Ray:		
Angle:		
Triangle		

Label each drawing with the correct vocabulary word



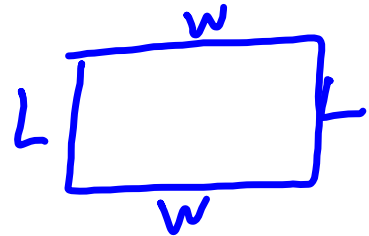
## Area vs Perimeter

Area:  $A_{\Delta} = \frac{1}{2} (\text{base})(\text{height})$

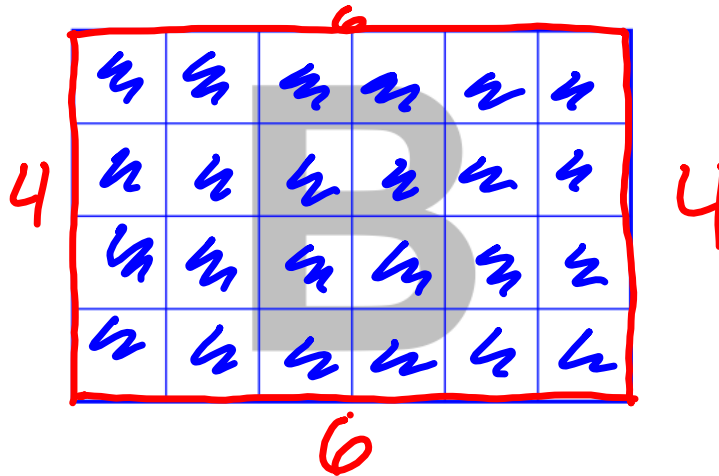
Perimeter:  $A_{\square} = (\text{Length})(\text{width})$

$$P_{\Delta} = S_1 + S_2 + S_3$$

$$P_{\square} = L + L + W + W \\ 2L + 2W$$



## Area vs. Perimeter



Area

$$4 \cdot 6 = 24$$

Perimeter

$$4 + 6 + 4 + 6$$

20 boxes

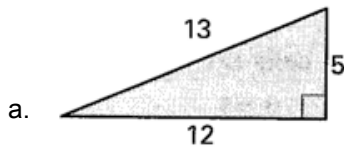
Area

Perimeter

Rectangle  
or Square

Triangle

Find the area and perimeter of the figure.



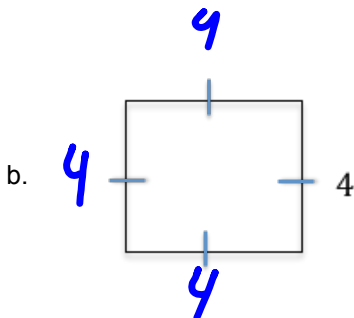
PERIMETER

AREA

$$13 + 12 + 5 = 30$$

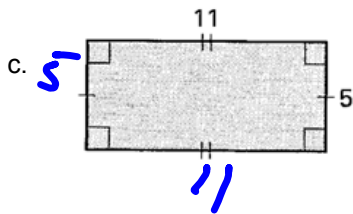
$$a = \frac{1}{2} b \cdot h$$

$$\frac{12 \cdot 5}{2} = \frac{60}{2} = 30$$



$$16$$

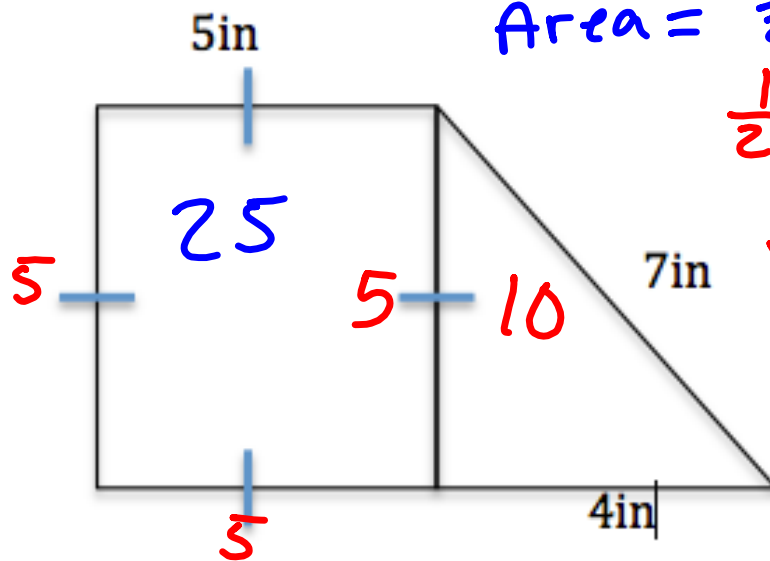
$$16$$



$$32$$

$$55$$

Find the area and perimeter of the figure.



$$\text{Per} = 26$$

$$\text{Area} = \frac{1}{2} b \cdot h = 35$$

$$\frac{1}{2} (4) \cdot 5 = 10$$

why?



If the area of a rectangle is  $60 \text{ cm}^2$   
and its width is 6 cm.

What is its length?