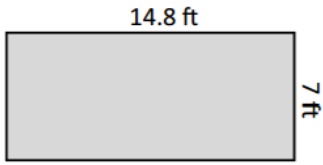


**Perimeter and Area in the Coordinate Plane NOTES #6**

**Warm-up: Find the area AND perimeter for each rectangle.**

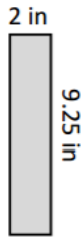
1)



Area = \_\_\_\_\_

Perimeter = \_\_\_\_\_

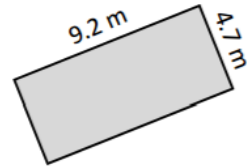
2)



Area = \_\_\_\_\_

Perimeter = \_\_\_\_\_

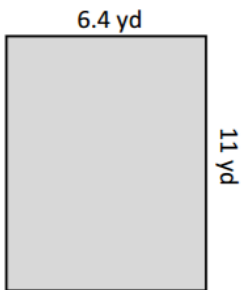
3)



Area = \_\_\_\_\_

Perimeter = \_\_\_\_\_

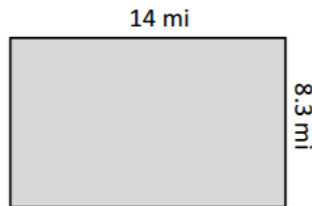
4)



Area = \_\_\_\_\_

Perimeter = \_\_\_\_\_

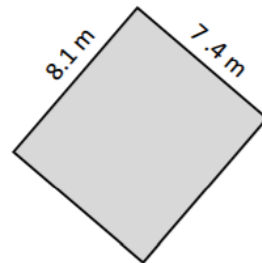
5)



Area = \_\_\_\_\_

Perimeter = \_\_\_\_\_

6)

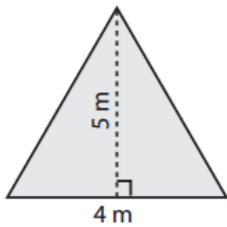


Area = \_\_\_\_\_

Perimeter = \_\_\_\_\_

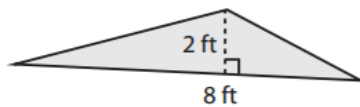
**Find the area of each triangle.**

7)



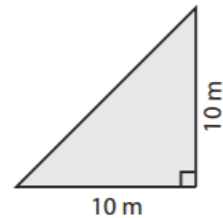
Area =

8)



Area =

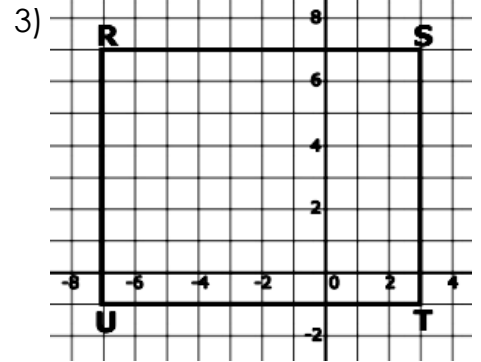
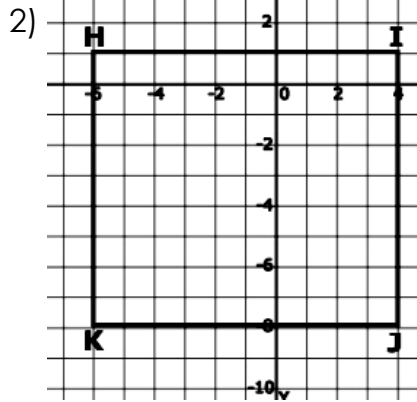
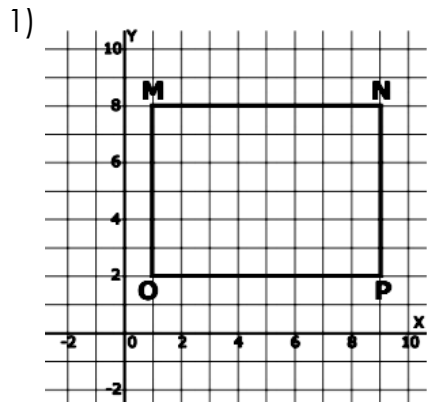
9)



Area =

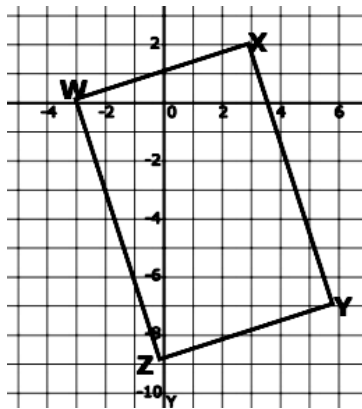
**Finding perimeter and area on a coordinate plane:**

Find the perimeter and area of each shape:



**What do you do if you don't know the lengths of the sides?**

1) Find the perimeter and area.



Lengths of the sides:

WX = \_\_\_\_\_

XY = \_\_\_\_\_

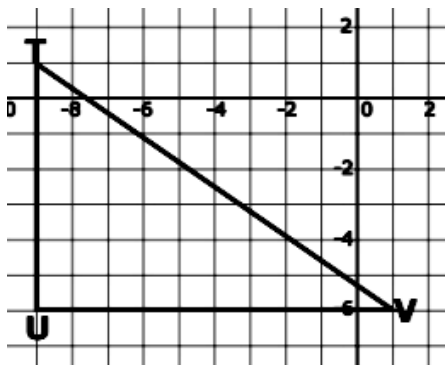
YZ = \_\_\_\_\_

ZW = \_\_\_\_\_

Perimeter: \_\_\_\_\_

Area: \_\_\_\_\_

2) Find the perimeter and area.



Lengths of the sides:

TV = \_\_\_\_\_

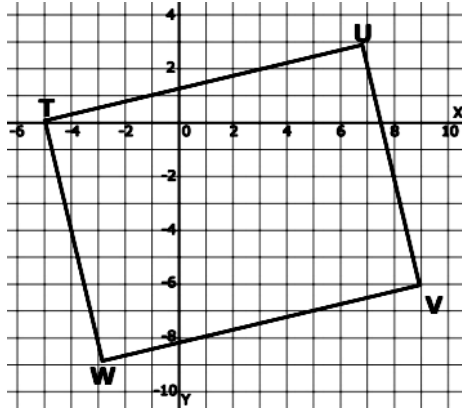
VU = \_\_\_\_\_

UT = \_\_\_\_\_

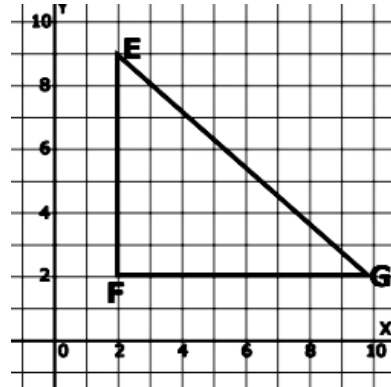
Perimeter: \_\_\_\_\_

Area: \_\_\_\_\_

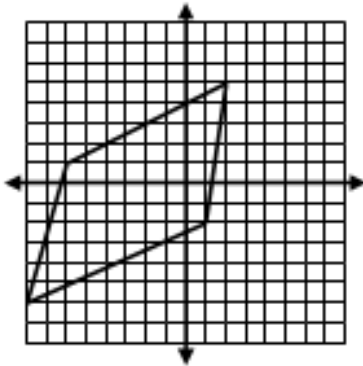
3) Find the **perimeter** and **area**.



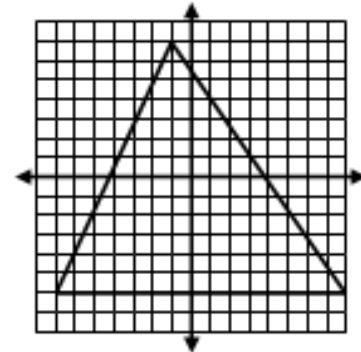
4) Find the **perimeter** and **area**.



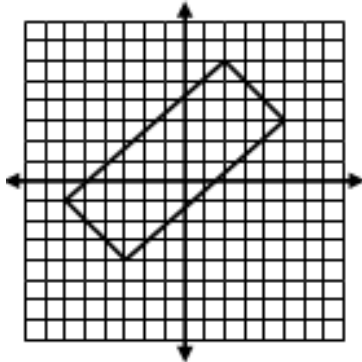
5) Find the **perimeter**.



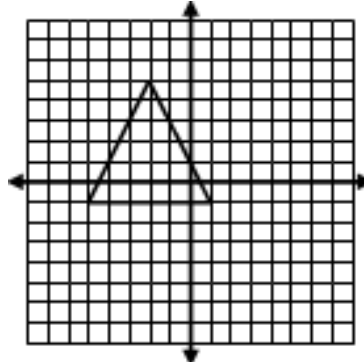
6) Find the **perimeter**.



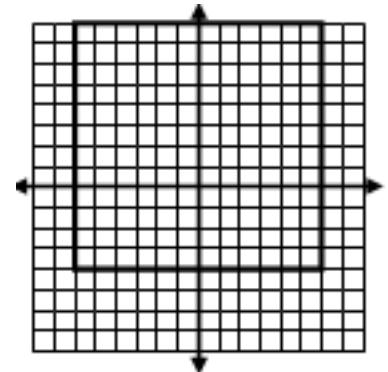
7) Find the **area**.



8) Find the **area**.



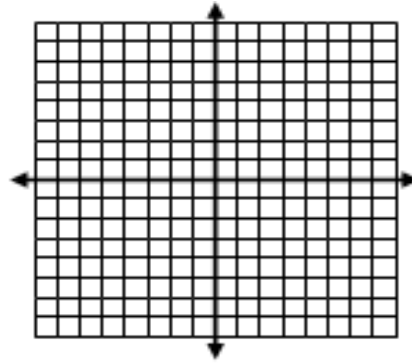
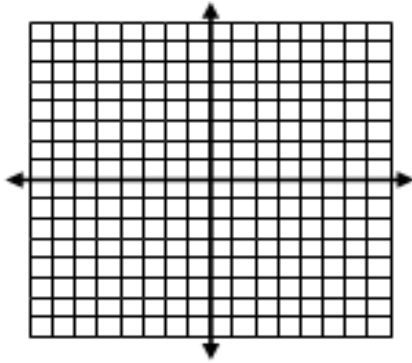
9) Find the **perimeter** and **area**.



Plot the given points and find the area of each shape.

7. A (-4, 5), B (1, 5), C (2, -1), D (-3, -1)

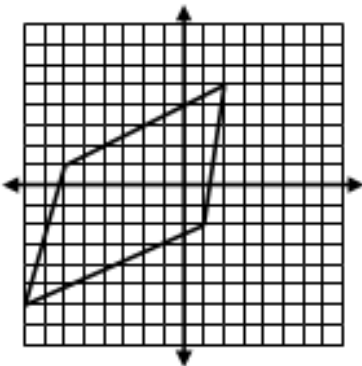
8. A (-1, 5), B (2, 2), C (-2, -2), D (-3, 4)



**Answer Key**

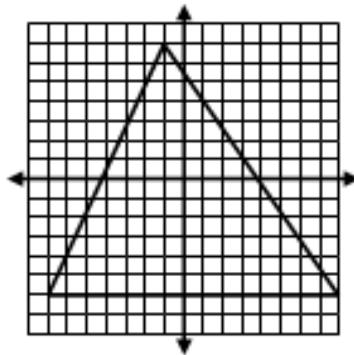
Find the perimeter of each shape.

1.



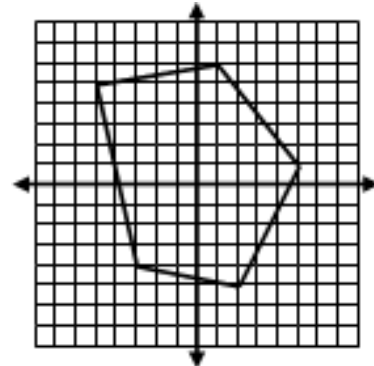
**P: 33.14**

2.



**P: 45.13**

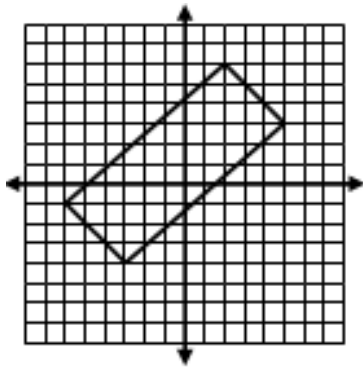
3.



**P: 33.51**

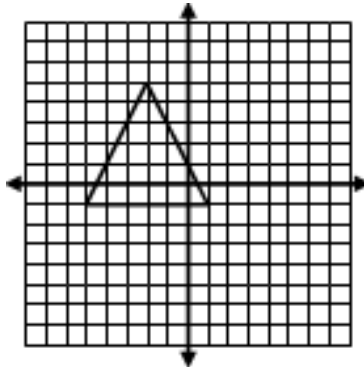
Find the area of each shape.

4.



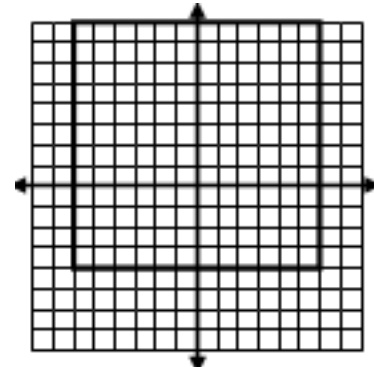
**45**

5.



**18**

6.

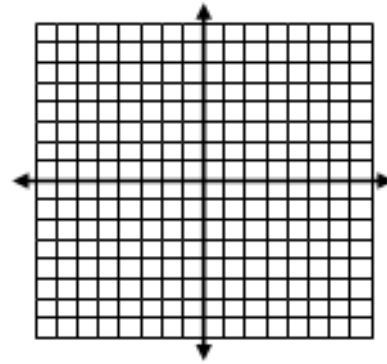
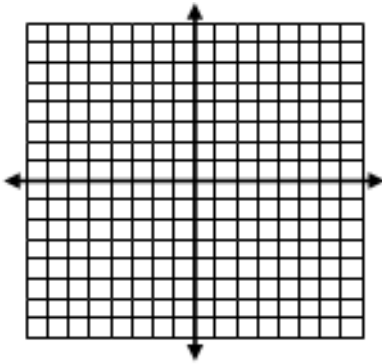


**144**

Plot the given points, and find the area of each shape.

7A  $(-4, 5)$ ,  $B (1, 5)$ ,  $C (2, -1)$ ,  $D (-3, -1)$

8.  $A (-1, 5)$ ,  $B (2, 2)$ ,  $C (-2, -2)$ ,  $D (-3, 4)$



**30**

**18.5**