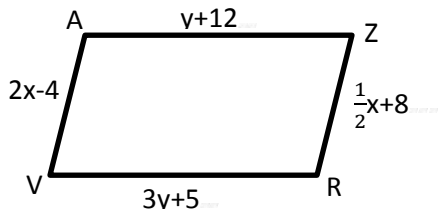
Geometry (G.GPE.B4,5 & G.CO.11)
Unit One B: Parallelograms (HW29)

Name: _____
Date: _____ Period: _____

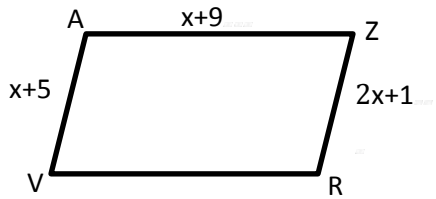
1. Given: VRZA is a parallelogram

Find the perimeter.



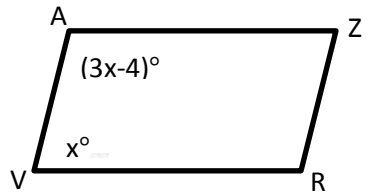
2. Given: VRZA is a parallelogram

Find VR.



3. Given: VRZA is a parallelogram: $\angle V = x^0, \angle A = (3x-4)^0$

Find: m$\angle A$ and m$\angle Z$



4. Find the slope of the line through the points A(3,6) and B (4, -7).

a) Find the slope of a line parallel to this line.

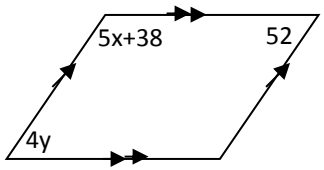
b) Find the slope of a line perpendicular to this line.

5. Write the equation for a line parallel to 3x + 4y = 12 and goes through the point (-8, 1).

6. Write the equation of a line perpendicular to 3x +4y = 12 and goes through (-3, -2).

7. Find the distance between the points A(3,6) and B (4, -7).

8. Given: Parallelogram ABCD. If $m\angle A = 31$, $m\angle C = 2x^2 - 1$, find x.

9. 

Find the value for x and y.

10. Given: Parallelogram ABCD. If $m\angle A = 4x + 11$, $m\angle B = 6x - 1$, find $m\angle C$.