

Bellwork Tuesday, March 11, 2014

1. Write the equation of the line that passes through this pair of points. Give your answer in both Point-Slope and Slope-Intercept Forms.

(5,9) and (-7, -33)

2. Use this line: $y = 3x - 10$

a) Write the equation of the line that is perpendicular to this line and passes through the point (-6, 1)

b) Write the equation of the line that is parallel to this line and passes through the point (9, -5)

Find the coordinates of the vertex of each Absolute Value Function and tell if the graph opens up or down.

3. $y = -5|x + 3| - 2$

Vertex:

Which way does graph open?

4. $y = 1.5|x - 7| + 6$

Vertex:

Which way does graph open?

5. Write the equation of the line that passes through each pair of points.

a) (6,-8) and (6,2)

b) (-4, -7) and (3, -7)