

Algebra 2 Bellwork Tuesday, September 17, 2013

1. Write the equation of the line that passes through these two points in both Slope-Intercept and Point-Slope Forms.

$(5, -3)$  &  $(8, 7)$

2. Use this line for parts a and b.  $y = -4x + 11$

a) Write the equation of the line that is perpendicular to the above line and passes through the point  $(9, 1)$

b) Write the equation of the line that is parallel to the above line and passes through the point  $(-14, 37)$

3. The length of a rectangle is seven more than twice the width. If the perimeter of the rectangle is 44in find the dimensions of the rectangle.