8.9- Review #2

#1-3: Write the equation of each line in point slope form AND slope intercept form.

1) A line with a slope of 2 and passes through point .

Point Slope Form

Slope intercept form

2) A line with points on the line.

PS form

SI form

3) A line through the given points

PS form

SI Form

#4 5: Write an equation parallel to the give line through the given point in slope intercept form for #4 and point slope for #5

4) parallel to through

5) parallel to through

#6,7: Write an equation perpendicular to the given line through the given point in SLOPE INTERCEPT FORM for #6 and POINT SLOPE FORM for #7.

6) perpendicular to through .

7) perpendicular to through

8) What is the SLOPE of the following line?

9) Find the MIDPOINT of the segment with the given endpoints

10) Find the LENGTH of the segment which has endpoints

Distance

11) Find the LENGTH of the line segment

12) Given the midpoint and one endpoint of a line segment, find the other endpoint:

Endpoint: Midpoint:

13. Find the area and perimeter of the square.

units

14. Graph and find the area and perimeter of the triangle.

units