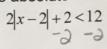
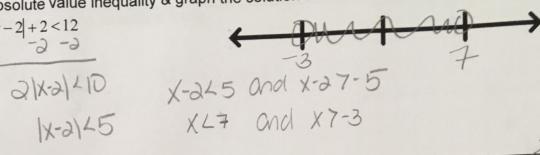


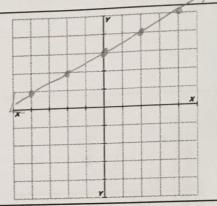
13) Solve the absolute value inequality & graph the solution set.





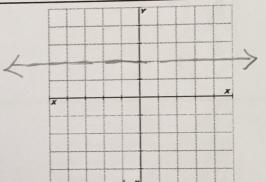
14) Graph the linear equation (slope-intercept form).

$$y = \frac{1}{2}x + 3$$



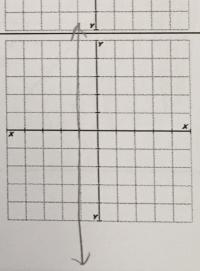
15) Graph the linear equation.

$$y = 2$$



16) Graph the linear equation.

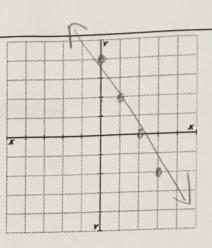
$$x = -1$$



17) Graph the linear equation (standard form).

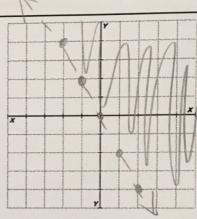
$$4x + 2y = 8$$

Hint: convert to slope-intercept form or use the x and y intercepts.



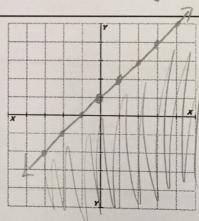
18) Graph the linear inequality (slope-intercept form).

$$y > -2x$$



19) Graph the linear inequality (slope-intercept form).

$$y \le x + 1$$



20) Determine the slope of the line that goes through the points.

$$(-5,6)$$
 & $(2,-7)$

$$(-5,6) & (2,-7) \\ M = \frac{-7-6}{2-(-5)} = \frac{-13}{7}$$

21) Determine the slope of the line that goes through the points.

$$(2,9) & (-3,9)$$

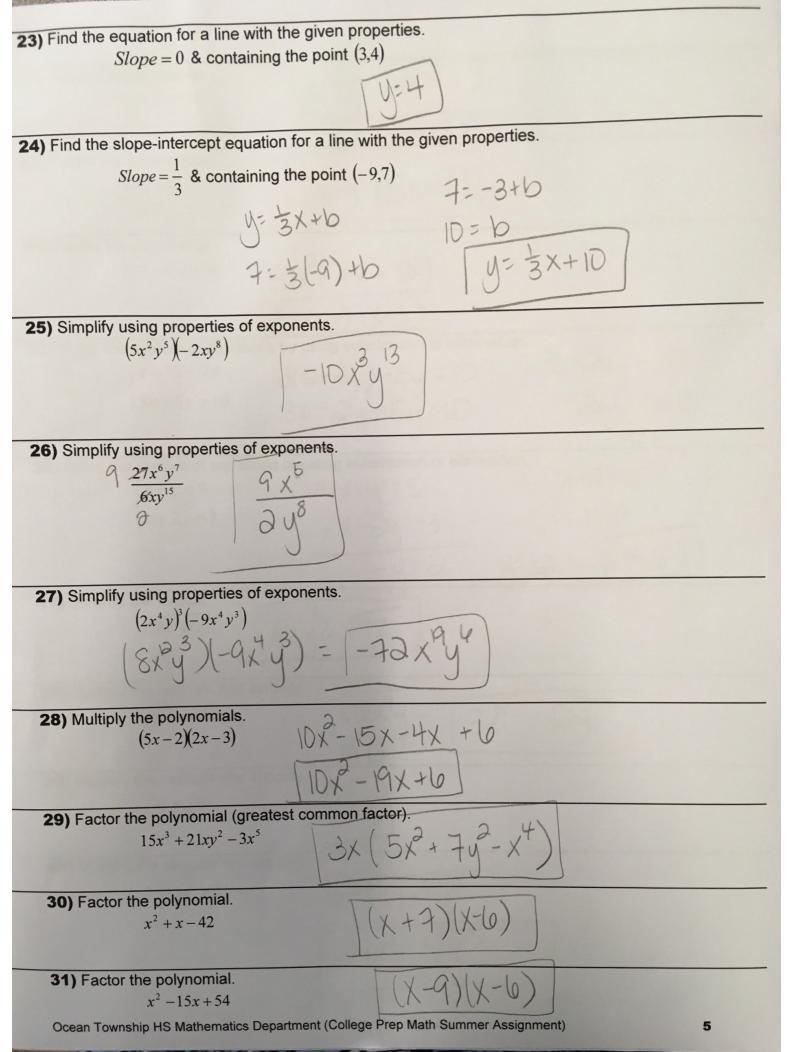
$$M = \frac{9-9}{-3-a} = \frac{0}{-5} = 0$$

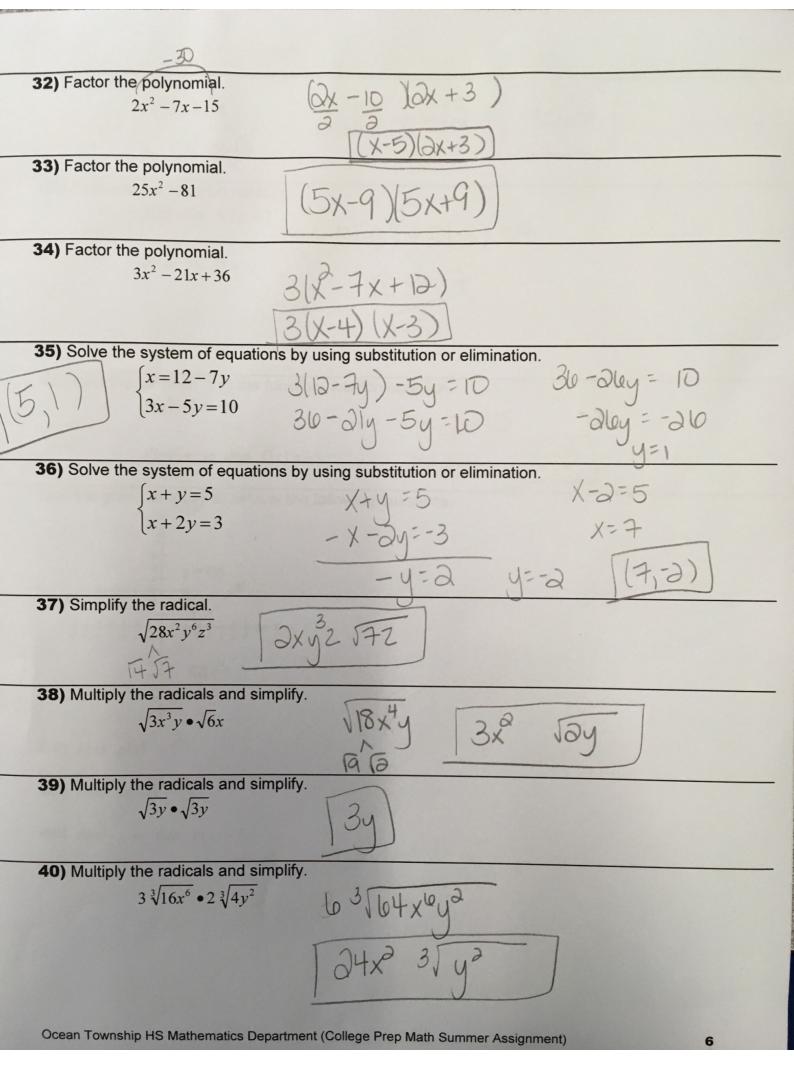
22) Determine the slope of the line that goes through the points.

$$(3,-5)$$
 & $(3,4)$

$$\frac{4-(-5)}{3-3}$$
 - $\frac{9}{3}$ = Tundefined

Ocean Township HS Mathematics Department (College Prep Math Summer Assignment)





41) Add the radicals.

42) Evaluate the function notation.

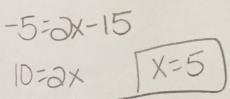
$$f(x) = 2x^2 + 2x - 7$$

Find
$$f(-3) =$$

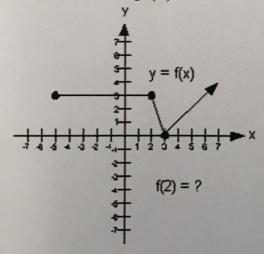
43) Find the value of x in the function notation equation.

$$f(x) = 2x - 15$$

Find x so that
$$f(x) = -5$$



Use the graph of p(x) to answer the following questions:



44) Find
$$p(3) = 0$$

45) Find
$$p(-1) = 3$$

46) Find x so that
$$p(x) = 3$$