

Geometry

Unit 4.2 I Can Sheet – Slope & Equations of lines

Name: _____

Standard: PL.4

I Can...

- Calculate slopes from graphs/points
- Write the equations of lines in various forms
- Graph lines

Items in bold should be turned in to me or put in your binder.

_____ **video notes**

_____ **labyrinth activity**

_____ **worksheet 2**

_____ **application worksheet**

_____ extra video

_____ book assignment

_____ pre-mc

_____ **mastery check**

Pre-MC:

1. Find the slope through the points (4, 5) and (-12, -8).
2. Write the equation of the line given the points (6,8) and slope of -3.
3. Write the equation of the line given the points (-2, 1) and (-11, 7).

Geometry

4. Graph the equation of the line $y=5x-2$.
5. Suppose that the water level of a river is 34 feet and that it is receding at a rate of 0.5 foot per day. Write an equation for the water level, L , after d days. In how many days will the water level be 26 feet?
6. For babysitting, Nicole charges a flat fee of \$3, plus \$5 per hour. Write an equation for the cost, C , after h hours of babysitting. What do you think the slope and the y -intercept represent? How much money will she make if she baby-sits 5 hours?