

**Unit 5 Linear Functions**

Emerging: I am starting to understand the ideas

Developing: I am understanding many of the ideas but I make errors

Proficient: I have a complete understanding of the skills and concepts

Extending: I am pushing my learning to connect to advanced problems and ideas

| Section |  | Level of comprehension | Assignment Completed and Posted |
|---------|--|------------------------|---------------------------------|
| 5.1     | <ul style="list-style-type: none"> <li>I can determine the slope of a line segment from a graph</li> <li>I can determine the slope of a line segment given points</li> <li>I understand the meaning of zero slope and no slope</li> <li>I can graph a line given a point and a slope</li> </ul>                          |                        |                                 |
| 5.2     | <ul style="list-style-type: none"> <li>I can use slope to determine if two lines are parallel</li> <li>I can use slope to determine if two lines are perpendicular</li> </ul>  |                        |                                 |
| 5.3     | <ul style="list-style-type: none"> <li>I can find x and y intercepts</li> <li>I can find the equation of a line given the slope and y-intercept</li> <li>I can graph a line given in slope intercept form <math>y=mx+b</math></li> <li>I can write my own equation given a realistic situation (word problem)</li> </ul> |                        |                                 |
| 5.4     | <ul style="list-style-type: none"> <li>I can find the equation of a line given the slope and a point using the slope point formula</li> <li>I can find the equation of a line given two points</li> <li>I can rewrite an equation from slope-point form to slope-intercept form</li> <li></li> </ul>                     |                        |                                 |
| 5.5     | <ul style="list-style-type: none"> <li>I can rewrite an equation into general form</li> <li>I can graph an equation given in general form</li> </ul>   |                        |                                 |

Name: \_\_\_\_\_

Block: \_\_\_\_\_

| Work Habits  | G<br>100% to 80%<br>of the time | S<br>80% to 60%<br>of the time | N<br>less than 60%<br>of the time |
|--|---------------------------------|--------------------------------|-----------------------------------|
| Assignments completed and handed in on time                          |                                 |                                |                                   |
| Arrive to class on time  |                                 |                                |                                   |
| Return after break on time   |                                 |                                |                                   |
| Work on the math assignment during class                             |                                 |                                |                                   |
| Phone use limited to checking math answer keys posted on the website |                                 |                                |                                   |
| Ask questions during class when I don't understand                   |                                 |                                |                                   |
| If absent:<br>watching the lesson video or reading the lesson notes  |                                 |                                |                                   |

### Communication Questions

1. What information do you need to know about a linear function to be able to write an equation to describe it?

2. **For each form** of the equation of a linear function, describe how you would graph the function.