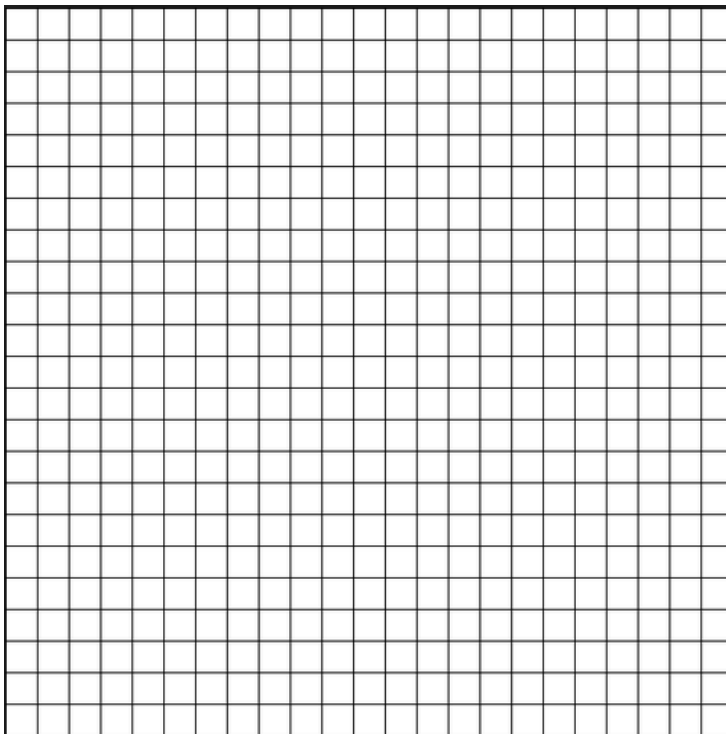


Lesson 1: Are You Ready?

1. What are relations, and how can they be represented? ** List all the ways**
2. Kim works part-time as a cashier. She makes \$9/hour.
 - a. Complete the table showing the hours Kim works and her earnings.

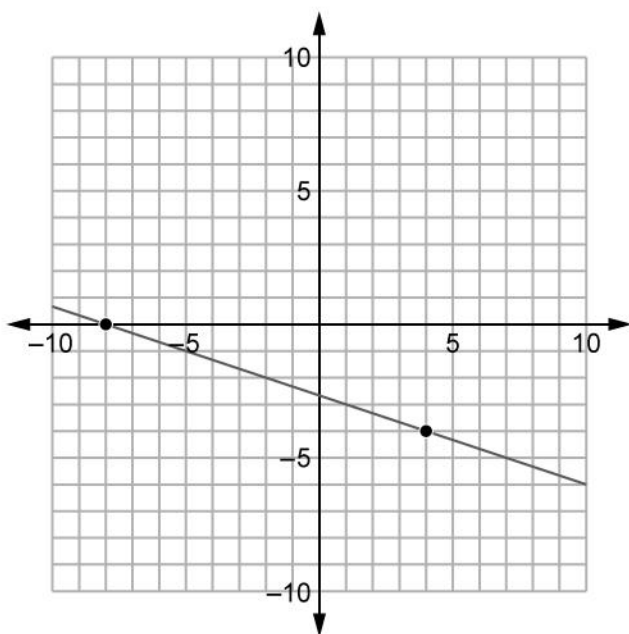
Hours Worked	Earnings (\$)
1	
2	
	36
	45

- b. Express the relation as a set of ordered pairs.
 - c. Graph the relation.



- d. Does it make sense to connect the points? Explain why or why not.

3. Find the slope of the line in the following graph.



- a. Use the $\frac{\text{rise}}{\text{run}}$ method. ie. Draw on the graph showing rise and run.
- b. Use the slope formula.
4. What is meant by the degree of a polynomial?

5. Find the degree of each of the following polynomials.

a. $x^2 + 2x + 1$

b. $3x - 4$

c. $5 + x - x^2 + 3x^3$