0.3 Graphing Linear Equations



SPECIAL SLOPES



Write the equation of the line.





PUTTING IT ALL TOGETHER

VERBAL: Bob has 3 cakes. He bakes 5 cakes every 2 hours.

EQUATION:

TABLE:

0	
4	
-6	
	23

GRAPH:





PRACTICE







2. Write the equation of the line graphed below.



3. **MULTIPLE CHOICE** Which of the following equations represents the line shown below where *t* stands for time in weeks and *m* stands for money in dollars?



- 4. **FREE RESPONSE** Mr. Kelly has a super-sized bag of AlgeGummy Bears. He sits down to watch Riverdale with the bag which has 300 AlgeGummies in it. Mr. Kelly eats 20 AlgeGummies every 3 minutes while he watches the antics of his favorite character Jughead.
 - a) Write an equation to model the number of AlgeGummies in his super-sized bag. Define your variables.
 - b) Graph your equation. Label both axes.
 - c) How long will it take for his bag to have 160 AlgeGummies left?
 - d) How many AlgeGummies will be in the bag after 4 minutes?
 - e) What is a value for the number of AlgeGummies that you could put into your equation that wouldn't make sense for this situation? Why does it not make sense in this situation?

