Feb. 6, 2019
Periods 1,2,4,6

Essential Question- *How can you use relationships in two variables to solve real-world problems?*
Place Quiz 12.3 into white basket

Warm Up -
Watch video on negative slopes

Class Work -
Go over Quiz 12.1 (make-up), 12.2
Take practice quiz 12.4 with table partner.
Take actual quiz
Check pg. 357 - answers on next slide

Homework - study for Module 12 TEST

**Students: I will not be available Thursday AM to finish the quiz.
You will have more time on Friday in class.

12.3 LESSON QUIZ

 **FL** **6.EE.3.9**

Write an equation that expresses *y* in terms of *x*.

1.

x	1	2	3	4	5
y	5	10	15	20	25

2.

x	10	20	30	40	50
y	7	17	27	37	47

3. Jaime bought 2 puzzles for $5.00 and 3 puzzles for $7.50. Write and solve an equation to find the cost of 15 puzzles.

4. A balloon rises to 100 feet in 4 minutes and 125 feet in 5 minutes. Write and solve an equation to find the distance the balloon rises in 8 minutes.

Lesson Quiz available online

1. Y = 5X

2. Y = X - 3

3. $\frac{5\text{ p}}{\$12.50} = \frac{15\text{ p}}{X}$

   Y= 2.5X
   X = $37.50

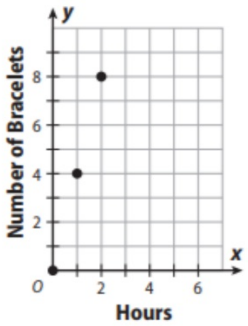
4. $\frac{4\text{ min}}{100\text{ ft}} = \frac{8\text{ min}}{X}$

Y = 25X
X = 200 ft.

12.4 LESSON QUIZ

FL 6.EE.3.9

The graph shows the number of bracelets Olivia can make in an hour.



1. Read the ordered pairs from the graph to make a table.
2. Write an equation to model the relationship.

The equation $y = x + 2$ represents the total cost of doing x loads of laundry at a laundromat in dollars, including buying a box of detergent.

3. Make a table that represents the relationship between number of loads and total cost.
4. Make a graph showing the relationship.

1. hours X 0 1 2 3
   # bracelets Y 0 4 8 12

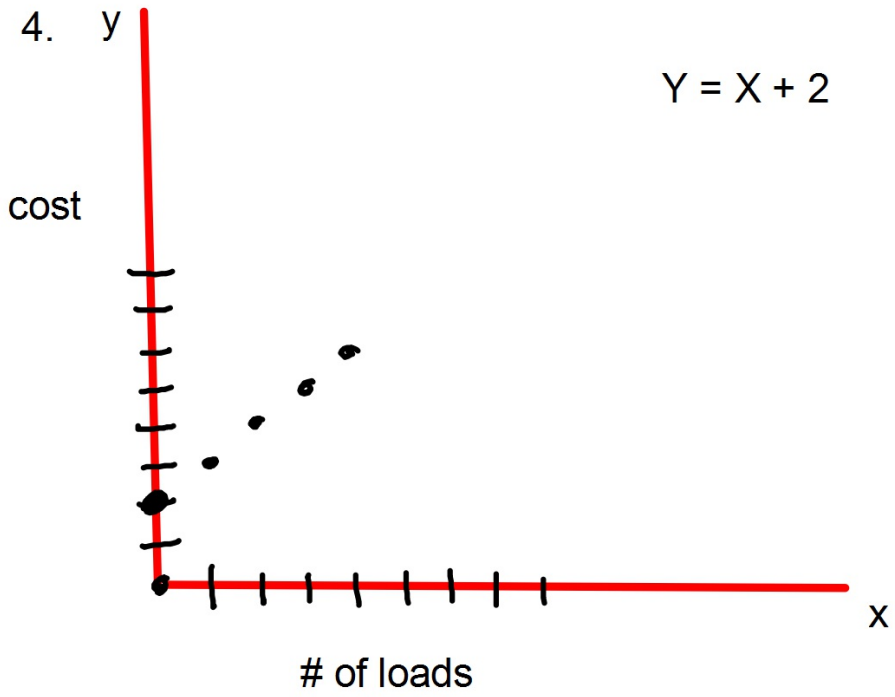
2. y= 4x

3. loads X 0 1 2 3

   cost Y 2 3 4 5

4. on next slide

4.



$Y = X + 2$

MODULE QUIZ

Ready to Go On?

Personal Math Trainer
Online Assessment and Intervention
my.hrw.com

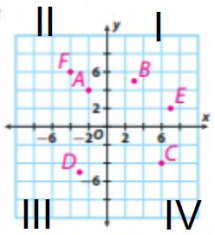
12.1 Graphing on the Coordinate Plane

Graph each point on the coordinate plane.

1. $A(-2, 4)$ **2.** $B(3, 5)$

3. $C(6, -4)$ **4.** $D(-3, -5)$

5. $E(7, 2)$ **6.** $F(-4, 6)$



12.2 Independent and Dependent Variables in Tables and Graphs

7. Jon buys packages of pens for $5 each. Identify the independent and dependent variables in the situation.

independent: number of packages; dependent: total cost

12.3 Writing Equations from Tables

Write an equation that represents the data in the table.

8.

x	3	5	8	10
y	21	35	56	70

$y = 7x$

9.

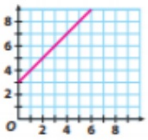
x	5	10	15	20
y	17	22	27	32

$y = x + 12$

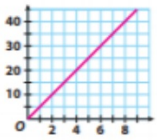
12.4 Representing Algebraic Relationships in Tables and Graphs

Graph each equation.

10. $y = x + 3$



11. $y = 5x$



ESSENTIAL QUESTION

12. How can you write an equation in two variables to solve a problem?

Decide which variable depends on the other. Use a table to find the relationship between the variables and write an equation.

4) Line A

$y = 50x$

$< y$

Line B

$y = x + 50$

$> y.$