

**6.2 Practice**  
For use after Lesson 6.2

Write a function rule for the statement.

- The output is four times the input.
- The output is eight less than the input.

Find  $y$  for the given value of  $x$ .

4.  $y = 5x + 9; x = 2$

at a football game. The cost of your supplies  
each cup of hot chocolate.  
the profit  $P$  for selling  $c$  cups of

equals your income.  
even?

**6.3 Linear Functions**  
For use with Activity 6.3

**Essential Question** How can you use a function to describe a linear pattern?

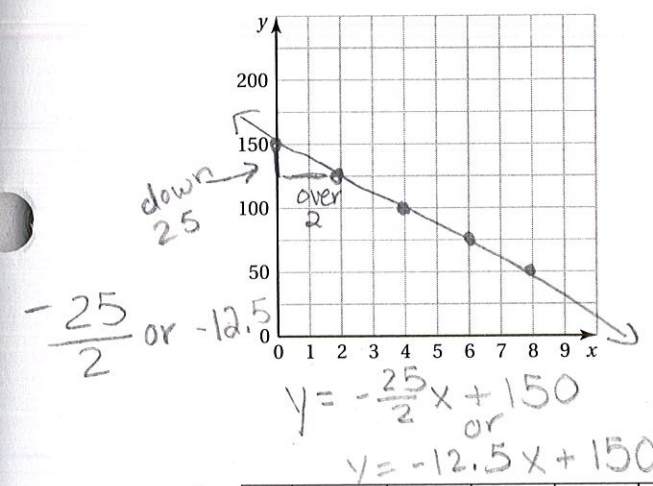
**1 ACTIVITY: Finding Linear Patterns**

Work with a partner.

- Plot the points from the table in a coordinate plane.
- Write a linear equation for the function.

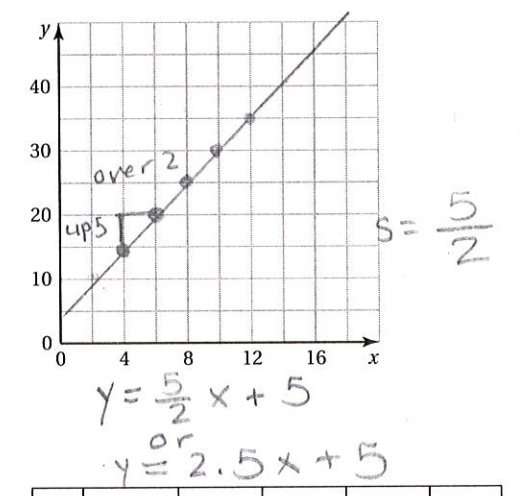
a.

$x$	0	2	4	6	8
$y$	150	125	100	75	50



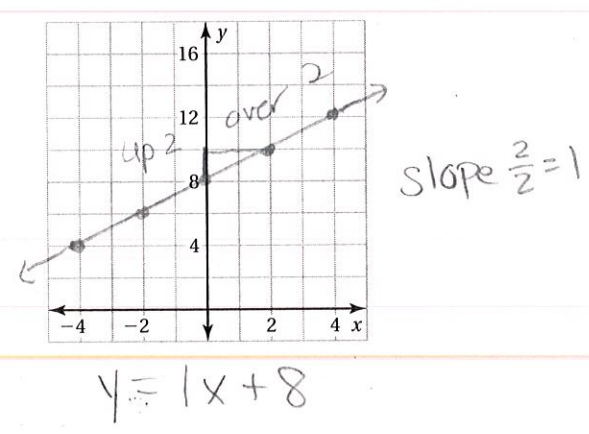
b.

$x$	4	6	8	10	12
$y$	15	20	25	30	35



c.

$x$	-4	-2	0	2	4
$y$	4	6	8	10	12



d.

$x$	-4	-2	0	2	4
$y$	1	0	-1	-2	-3

