

Name: _____

Practice 3.3

Day 2

Create a table of x - and y -values for each equation. Use integer values of x from 1 to 3.

13 $y = \frac{1}{4}(8 - x)$

x	1	2	3
y			

14 $x + 7 = \frac{1}{2}(y - 5)$

x	1	2	3
y			

15 $-4y = 2x + 5$

x	1	2	3
y			

16 $\frac{1}{2}(x + 4) = \frac{1}{3}(y + 1)$

x	1	2	3
y			

Complete the table of x - and y -values for each equation.

17 $y = 5(x + 3)$

x	0	1	2
y	?	?	?

18 $\frac{x}{4} + y = 1$

x	2	?	?
y	?	0	-0.5

19 $3x - 4y = \frac{5}{3}$

x	?	-2	-1
y	$-2\frac{2}{3}$?	?

20 $5(y + 4) = 8x$

x	?	?	?
y	-4	12	28

Challenge

- 24** A parking lot charges \$1.50 for the first hour or part of an hour. After the first hour, parking costs 70¢ for each half hour, or part of a half hour. Mr. Fischer parked his car in the parking lot for t hours.
- Write a linear equation for the total cost of parking, y dollars, in terms of t .
 - Find the amount Mr. Fischer had to pay if he parked his car for 40 minutes.
 - What was the total cost if he parked for 1 hour and 40 minutes?



Practice 3.3

Day 2

Create a table of x - and y -values for each equation. Use integer values of x from 1 to 3.

13 $y = \frac{1}{4}(8 - x)$

13	x	1	2	3
	y	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$

14 $x + 7 = \frac{1}{2}(y - 5)$

14	x	1	2	3
	y	21	23	25

15 $-4y = 2x + 5$

15	x	1	2	3
	y	$-1\frac{3}{4}$	$-2\frac{1}{4}$	$-2\frac{3}{4}$

16 $\frac{1}{2}(x + 4) = \frac{1}{3}(y + 1)$

16	x	1	2	3
	y	$6\frac{1}{2}$	8	$9\frac{1}{2}$

Complete the table of x - and y -values for each equation.

17 $y = 5(x + 3)$

x	0	1	2
y	?	?	?

15; 20; 25

18 $\frac{x}{4} + y = 1$

x	2	?	?
y	?	0	-0.5

4; 6
0.5

19 $3x - 4y = \frac{5}{3}$

x	?	-2	-1
y	$-2\frac{2}{3}$?	?

-3
 $-1\frac{11}{12}$; $-1\frac{1}{6}$

20 $5(y + 4) = 8x$

x	?	?	?
y	-4	12	28

0; 10; 20

Challenge

- 24** A parking lot charges \$1.50 for the first hour or part of an hour. After the first hour, parking costs 70¢ for each half hour, or part of a half hour. Mr. Fischer parked his car in the parking lot for t hours.
- a) Write a linear equation for the total cost of parking, y dollars, in terms of t . $y = 1.4t + 0.1$
 - b) Find the amount Mr. Fischer had to pay if he parked his car for 40 minutes. $\$1.50$
 - c) What was the total cost if he parked for 1 hour and 40 minutes? $\$2.90$

