Name:_____ Class/Period:_____

Assignment: linear function 2 Teacher: Lee

1 The value of x which makes $\frac{2}{3}\left(\frac{1}{3}x-4\right)=\frac{1}{9}\left(\frac{3}{4}x-2\right)$ true is

1 4.8
2 2
3 12.4
4 17.6

2 Which value of x satisfies the equation $\frac{4}{9}\left(\frac{3}{5}-x\right)=20$?

1 −45.6
2 −44.4
3 $-19.7\overline{3}$
4 $-18.9\overline{5}$

3 What is the value of x in the system of equations shown below?

$5x + 4y = 1$
$y = 1 - x$

Answer: The value of x in the system of equations is [ ].

4 The value of the x-intercept for the graph $2x - 5y = 30$ is

1 $-\frac{2}{5}$
2 −6
3 15
4 $\frac{2}{5}$

5 What is the value of x in the solution of the system of equations $3x + 2y = 12$ and $5x - 2y = 4$?

1 8
2 2
3 3
4 4

6 Given the table below that lists points on a line, what is the y-intercept of the line?

x	−8	−2	0	2	4
y	0	3	4	5	6

1 –8
2 0
3 2
4 4

7 What is the value of y in the following system of equations?

$2x + 3y = 6$
$2x + y = -2$

1 1
2 2
3 -3
4 4