

Answers to Workbook page 75 [More on Linear Functions]

1. $\frac{53}{4}$

2. 3

3.

x	$f(x)$
-1	6.5
0	4
1.5	0.25
2	-1
3	-3.5
4.08	-6.2

4. $y = \frac{3}{2}x - 2$

5.

Column A

$$x = -5$$

$$y = 10$$

$$3x - 12y = 36$$

$$f(x) = x - \frac{1}{x}$$

$$G(x) = 15 + 4x$$

$$-5x + 6y = 30$$

Column B

is a linear function

is a linear function; slope is zero

is a linear function; slope is 0.25

is a rational function

is a linear function; $x = -3.75$ is a zero

is a linear function; x -intercept is $(-6, 0)$