

Warm Up 4.8

Prove that each pair of equations is equivalent. Show your work.

1. $y = 3x - 2$

$$9x - 3y = 6$$

2. $5x - y = 2$

$$y - 13 = 5(x - 3)$$

3. $y - 12 = -15(x - 1)$

$$y - 87 = -15(x + 4)$$

4. $y = 3(2)^x$

$$y = 6(2)^{x-1}$$

5. $y = 768(2)^{x-8}$

$$y = 384(2)^{x-7}$$

Find an explicit equation for the given table of values.

6.

X	y
0	11
1	16
2	21

$$f(x) =$$

7.

x	y
31	2
32	-4
33	-10

$$g(x) =$$