

Finding Inverses

Date _____ Period _____

State if the given functions are inverses.

1)
$$g(x) = -2 - \frac{3}{5}x$$
$$f(x) = \frac{-5x + 25}{9}$$

2)
$$f(x) = 2x + 4$$
$$g(x) = \frac{x - 4}{2}$$

3)
$$f(x) = \frac{6 - 3x}{2}$$
$$h(x) = \frac{-2x + 6}{3}$$

4)
$$g(x) = 4x - 1$$
$$f(x) = -\frac{4}{5}x + \frac{4}{5}$$

Find the inverse of each function.

5)
$$f(n) = 4n - 16$$

6)
$$h(n) = \frac{-20 - 8n}{5}$$

$$7) g(n) = \frac{1}{3}n - \frac{2}{3}$$

$$8) g(x) = -4x - 12$$

$$9) g(x) = -\frac{1}{2}x + 1$$

$$10) g(x) = \frac{-2x + 10}{7}$$

$$11) f(x) = 4x + 3$$

$$12) g(x) = \frac{2 + x}{2}$$

$$13) g(x) = \frac{-2 - 3x}{2}$$

$$14) g(x) = -\frac{3}{4}x$$