Are these functions inverses of each other?

Verify that the given functions are inverses or not. Show the work required to verify inverse functions: f(g(x)) and g(f(x))

1)
$$g(x) = \frac{3x}{5}$$
$$f(x) = \frac{5x}{3}$$

3)
$$h(n) = -n + 2$$

 $f(n) = \frac{-20 + 7n}{5}$

5)
$$f(x) = 7x + 5$$

 $g(x) = \frac{x - 5}{7}$

7)
$$f(x) = (x-1)^3 + 3$$

 $g(x) = \sqrt[3]{x-1} - 2$

9)
$$f(x) = -\frac{2}{7}x + \frac{6}{7}$$

 $g(x) = -2x + 2$

2)
$$g(x) = 4x + 4$$

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

4)
$$g(x) = x - 1$$

 $f(x) = x + 1$

6)
$$f(x) = -(x-1)^5$$

 $h(x) = -1 + (x+2)^3$

8)
$$f(x) = \sqrt[3]{x+2}$$

 $h(x) = -2x^3 + 2$

$$h(x) = -2x^{3} + 2$$
10) $f(x) = x - 3$

$$h(x) = x + 3$$