

Daily Work

Date _____

Find the inverse of each function.

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

2) $g(x) = -\frac{3}{5}x$

3) $f(n) = \sqrt[5]{\frac{n+1}{2}}$

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

5) $g(n) = n^3 - 1$

6) $h(x) = \sqrt[3]{x+3} + 1$

7) $f(x) = -2 + (x+2)^3$

8) $f(n) = \sqrt[3]{-n-3}$

Answers to Daily Work

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

$$2) g^{-1}(x) = -\frac{5}{3}x$$

$$3) f^{-1}(n) = 2n^5 - 1$$

$$4) g^{-1}(x) = 3 + 2x^3$$

$$5) g^{-1}(n) = \sqrt[3]{n+1}$$

$$6) h^{-1}(x) = (x-1)^3 - 3$$

$$7) f^{-1}(x) = \sqrt[3]{x+2} - 2$$

$$8) f^{-1}(n) = -n^3 - 3$$

