

Class Time Examples

Date _____

Find the inverse of each function.

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

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

3) $h(x) = x^5$

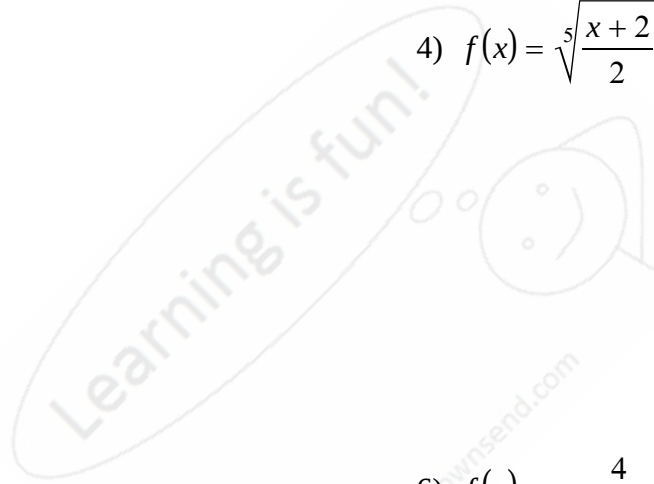
4) $f(x) = \sqrt[5]{\frac{x+2}{2}}$

5) $f(x) = x + 3$

6) $f(x) = -\frac{4}{-x+3} - 1$

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

8) $f(n) = -\frac{2}{n-1} - 3$



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Answers to Class Time Examples

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

$$2) f^{-1}(x) = -\frac{2}{x+3}$$

$$3) h^{-1}(x) = \sqrt[5]{x}$$

$$4) f^{-1}(x) = -2 + 2x^5$$

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

$$6) f^{-1}(x) = \frac{4}{x+1} + 3$$

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

$$8) f^{-1}(n) = -\frac{2}{n+3} + 1$$

