

Day 2 Lotto Problems

Find the inverse of each function.

1) $g(x) = \frac{4}{x+2} + 1$

2) $f(x) = x - 1$

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

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

5) $g(x) = \frac{-10-2x}{5}$

6) $f(x) = \sqrt[5]{\frac{-x+1}{2}}$

7) $g(x) = -5x + 20$

8) $h(x) = \sqrt[5]{x+3} + 1$

9) $f(x) = \frac{4}{-x-3}$

10) $f(x) = \frac{2}{x+2} + 1$

11) $g(n) = \sqrt[5]{\frac{-n-2}{2}}$

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

Day 2 Lotto Problems

Find the inverse of each function.

1) $g(x) = \frac{4}{x+2} + 1$

$$g^{-1}(x) = \frac{4}{x-1} - 2$$

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

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

5) $g(x) = \frac{-10 - 2x}{5}$

$$g^{-1}(x) = \frac{-5x - 10}{2}$$

7) $g(x) = -5x + 20$

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

9) $f(x) = \frac{4}{-x-3}$

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

11) $g(n) = \sqrt[5]{\frac{-n-2}{2}}$

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

2) $f(x) = x - 1$

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

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

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

6) $f(x) = \sqrt[5]{\frac{-x+1}{2}}$

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

8) $h(x) = \sqrt[5]{x+3} + 1$

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

10) $f(x) = \frac{2}{x+2} + 1$

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

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

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