

Name: _____

Inverse of Functions

L1S1

Find the inverse of each function.

1) $f(x) = 4x - 3$

2) $f(x) = -7x + 17$

3) $f(x) = 8 + \frac{x}{2}$

5) $f(x) = -6x - 7$

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

8) $f(x) = \frac{19 - 2x}{8}$

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Inverse of Functions

Find the inverse of each function.

1) $f(x) = 4x - 3$

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

2) $f(x) = -7x + 17$

$$f^{-1}(x) = \frac{-x+17}{7}$$

3) $f(x) = 8 + \frac{x}{2}$

$$f^{-1}(x) = 2x - 16$$

5) $f(x) = -6x - 7$

$$f^{-1}(x) = -\frac{x+7}{6}$$

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

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

8) $f(x) = \frac{19-2x}{8}$

$$f^{-1}(x) = \frac{-8x+19}{2}$$

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