Name: _____   **Date**: _____   **Score**: _____

Direction: Find the inverse of each linear function. Show all your work in the space provided.

1) $f(x) = -3x + 6$

2) $f(x) = \dfrac{-x - 1}{5}$

3) $f(x) = \dfrac{-x + 1}{2}$ for $x \geq 5$. State its domain.

4) $f(x) = \dfrac{3x - 1}{5}$ for $x \leq -3$. State its domain.

ChiliMath

Name: _____ **Date**: _____ **Score**: _____

Direction: Find the inverse of each linear function. Show all your work in the space provided.

1) $f(x) = -3x + 6$

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

2) $f(x) = \dfrac{-x-1}{5}$

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

3) $f(x) = \dfrac{-x+1}{2}$ for $x \geq 5$. State its domain.

$f^{-1}(x) = -2x + 1 \;\; for \;\; x \leq -2$

4) $f(x) = \dfrac{3x-1}{5}$ for $x \leq -3$. State its domain.

$f^{-1}(x) = \dfrac{5}{3}x + \dfrac{1}{3} \;\; for \;\; x \leq -2$