Determine the inverse for each of the following functions:

1. $f(x) = 2x - 5$

$x = 2y - 5$

$\frac{x+5}{2} = \frac{2y}{2}$

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

$(3+4)^2 = (7)^2$

$3^2 + 4^2 \neq 7^2$

2. $f(x) = \sqrt{x-3} + 4$

$x = \sqrt{y-3} + 4$

$(x-4)^2 = (\sqrt{y-3})^2$

$(x-4)^2 = y - 3$

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

$= x^2 - 8x + 19$

Practice Problems...

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#2, 3, 5, 6, 8, 9, 11, 15, 18, 20, 21