

DRILL

① Find inverse of:

$$f(x) = \{(3, -2), (5, 8), (-5, 6)\}$$

$$f^{-1}(x) = \{(-2, 3), (8, 5), (6, -5)\}$$

② Find inverse of:

$$f(x) = 3x - 9$$

$$y = 3x - 9$$

$$x = 3y - 9$$

$$\begin{array}{r} x = 3y - 9 \\ + 9 \quad + 9 \\ \hline \end{array}$$

$$\frac{x+9}{3} = \frac{3y}{3}$$

$$f^{-1}(x) = \frac{x+9}{3}$$

* Vertical Line Test *

If a vertical line (\updownarrow) can pass through more than one point on a graph, then it is NOT a function.

