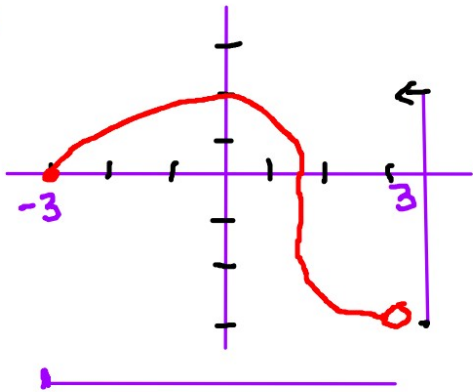


DRILL

Find Domain & Range

①



$$D: [-3, 3)$$

$$R: (-3, 2]$$

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

$$y = 6 - 4$$

Solve: $y = 2$

②

$$\begin{cases} 2x + 3y = 12 \\ * y = (2x - 4) \end{cases}$$

$$2x + 3(2x - 4) = 12$$

$$2x + 6x - 12 = 12$$

$$8x - 12 = 12$$

$+12$ $+12$

$$(3, 2)$$

$$8x = 24$$

$\frac{8}{8}$ $\frac{24}{8}$

$$x = 3$$

A : \$ 50⁰⁰ / day \$ 8⁰⁰ / item sold ✓

B : \$ 80⁰⁰ / day \$ 5⁰⁰ / item sold ✓

y = total \$

x = items sold

* How many items would you need to sell in order to make the same amount of money at each company.

(10, 130)

A $y = 50 + 8x = 50 + 80$ $\cancel{50} + 8x = 80 + \cancel{5x}$
 $ - 5x $

B $y = 80 + 5x = \cancel{80} + 50$ $\frac{3x}{3} = \frac{30}{3}$ $x = 10$
 $ $ (130)