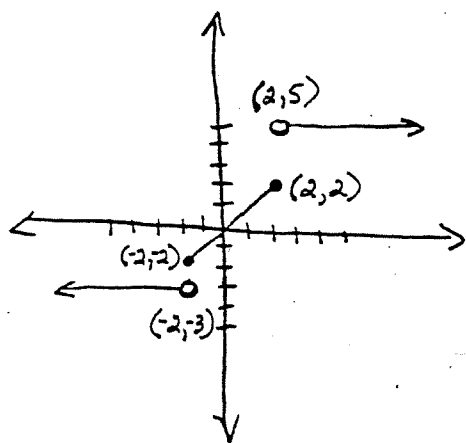


For each, find the domain + range. *Start left.*

① Find the Function.

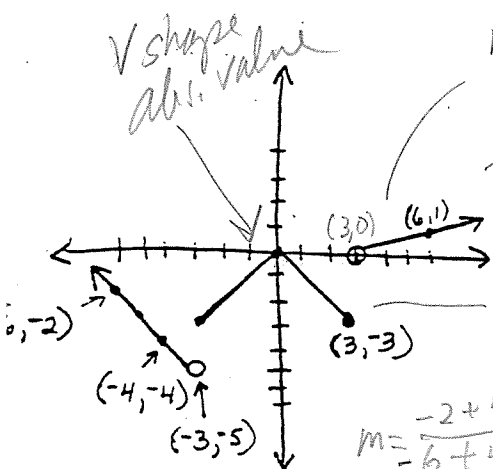


y is _____ when x is _____

$$f(x) = \begin{cases} -3, & x < -2 \\ x, & -2 \leq x \leq 2 \\ 5, & -x > 2 \end{cases}$$

See graph: (-6, -2)

② Find the Function.



$$m = \frac{1-0}{6-3} = \frac{1}{3} \quad 1 = \frac{1}{3}(6) + b$$

$$0 = \frac{1}{3}(3) + b \quad -1 = b$$

$$m = \frac{0+3}{0-3} = -1$$

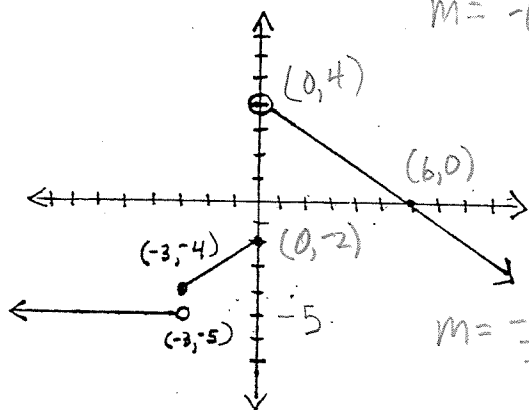
$$f(x) = \begin{cases} -x - 8, & x < -3 \\ -|x|, & -3 \leq x \leq 3 \\ \frac{1}{3}x - 1, & x > 3 \end{cases}$$

$$m = \frac{-2+4}{-6+4} = \frac{2}{-2} = -1$$

$$-4 = -1(-4) + b$$

$$-8 = b$$

③ Find the Function



$$m = \frac{4}{-6} = -\frac{2}{3}$$

$$f(x) = \begin{cases} -5, & x < -3 \\ \frac{2}{3}x - 2, & -3 \leq x \leq 0 \\ -\frac{2}{3}x + 4, & x > 0 \end{cases}$$

$$m = \frac{-4+2}{-3} = \frac{-2}{-3} = \frac{2}{3}$$