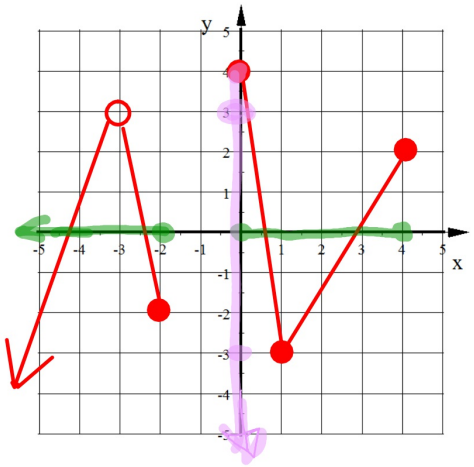


Domain:

$x \leq -2$ or $0 \leq x \leq 4$

Range:

$y \leq 4$

Solve for K. State restrictions on the variables.

$$\frac{KM + C}{W} = (G - K)W$$

$KM + C = GW - KW$

$+KW \quad\quad +KW$

$KM + KW + C = GW - C$

$-C \quad\quad -C$

$KM + KW = GW - C$

$$\frac{K(M+W)}{M+W} = \frac{GW - C}{M+W}$$

$$K = \frac{GW - C}{M+W}$$

$M + W \neq 0$

$W \neq 0$

Solve each compound inequality. Write your answer as a single inequality or write No Solution or All Real Numbers.

$2g + 1 < 13$ or $g > -2$

$2g < 12$

$g < 6$ or $g > -2$

R

The solution if using the word "AND" would be $-2 < x < 6$

$6 - 5k > 21$ and $k > 7$

$-6 \quad\quad -6$

$-5k > 15$

$\div -5 \quad\quad \div -5$

$K < -3$ and $K > 7$

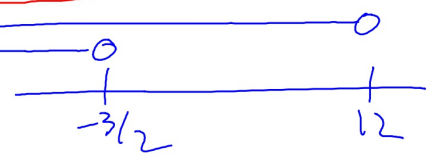
NO Solution

the solution if using the word "OR" would be $K < 3$ or $K > 7$

4R +1 < -5 or R < 12

$4R < -6$ or

$R < \frac{-6}{4}$



$R < 12$

The solution if you were using the word "AND" would be R<-3/2

Solve.

$4m - 6(m + 2) - 9 \leq m + 10 - 3m$

$4m - 6m - 12 - 9 \leq m + 10 - 3m$

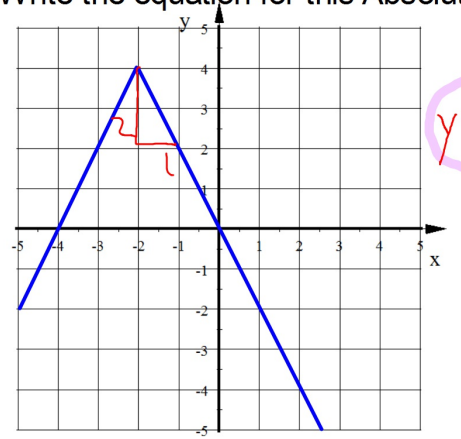
$-2m - 21 \leq -2m + 10$

$+2m \quad +2m$

$-21 \leq 10$

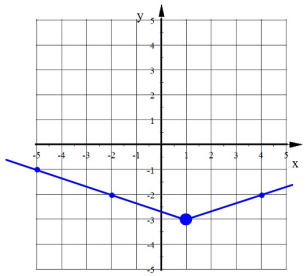
R

Write the equation for this Absolute Value function.



$y = -2|x - 2| + 4$

Graph this Asolute Value Function.



$y = \frac{1}{3}|x - 1| - 3$

1 right 3 down: Vertex (1, -3)

Opens up

Slope of sides is 1/3