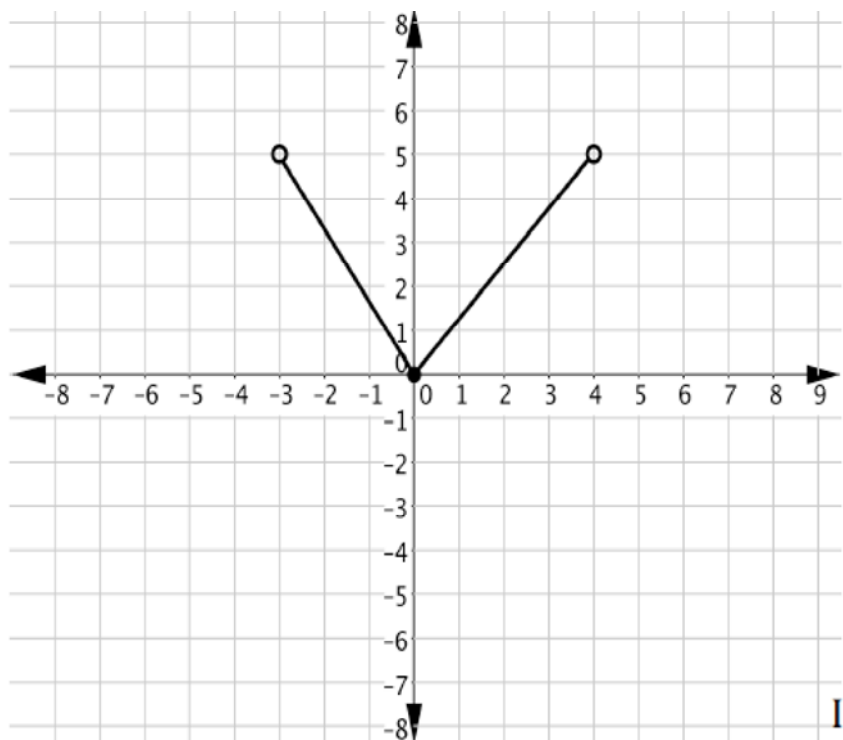


Please put up your phones, take your seats,  
and have out your homework.

Please pick up your quiz and website  
assignment from the front.

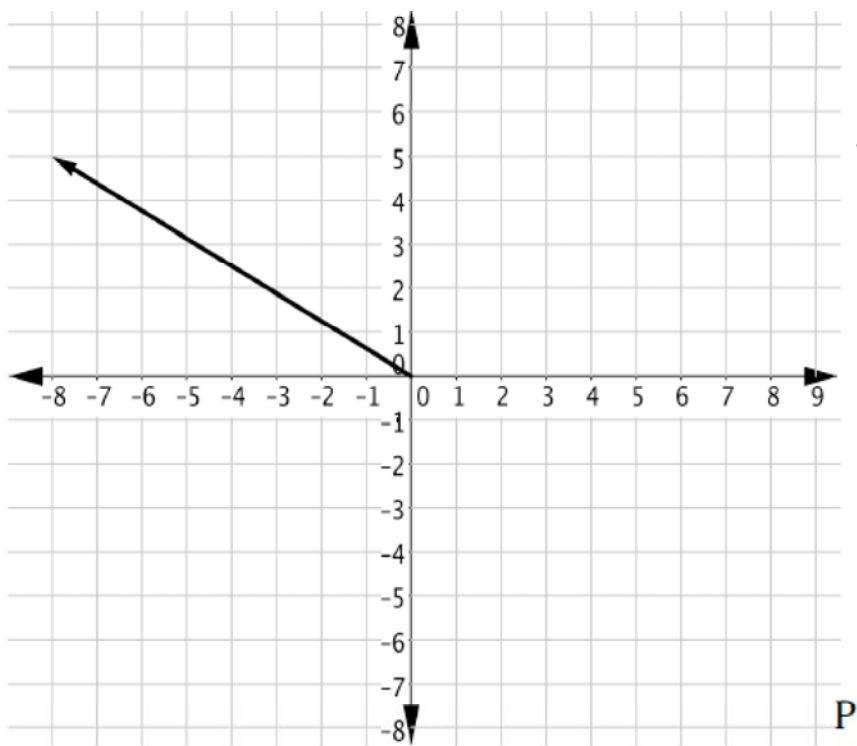


$(-3, 4)$

$\{x \mid -3 < x < 4\}$

$[0, 5)$

$\{y \mid 0 \leq y < 5\}$



$$(-\infty, 0]$$
$$\{x \mid x \leq 0\}$$

$$[0, +\infty)$$
$$\{y \mid y \geq 0\}$$

$$(-\infty, +\infty)$$
$$\{x \mid x \in \mathbb{R}\}$$



$$21. \frac{E}{c^2} = \frac{m}{\cancel{c^2}}, \text{ for } m \quad M = \frac{E}{c^2}$$

$$22. \cancel{3} = \left( \frac{2d+1}{\cancel{2}} \right) \text{ for } d \quad d = \frac{3c-1}{2}$$

$$\begin{array}{r} 3c = 2d + 1 \\ -1 \quad -1 \\ \hline \end{array}$$

$$d = \frac{3c}{2} - \frac{1}{2}$$

$$\frac{3c-1}{2} = \frac{\cancel{2d}}{2}$$

23.  $h = vt - gt^2$ , for  $v = \frac{h + gt^2}{t}$

$$\frac{h + \cancel{gt^2} + \cancel{gt^2}}{t} = \frac{v \cancel{t}}{\cancel{t}}$$

$$v = \frac{h}{t} + gt$$

$$t^2 = tt$$

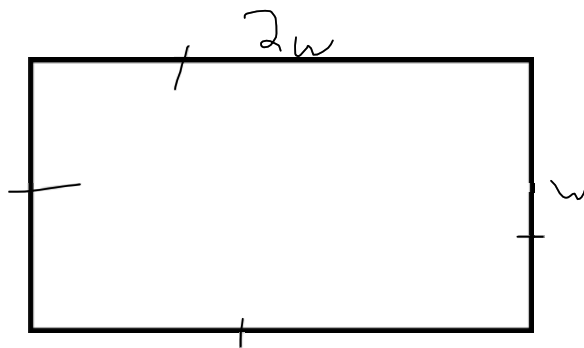
$$\frac{\oplus \cancel{t}}{t}$$

$$\frac{h}{t} + \frac{gt^2}{t}$$

24.  $E = \frac{1}{2}I\omega^2 + U$ , for  $I = \frac{2(E-U)}{\omega^2}$

$$\frac{E - U}{\omega^2} = \frac{\frac{1}{2}I\omega^2}{\omega^2}$$

$$\frac{2}{1} \frac{E - U}{\omega^2} = \frac{1}{2} I \left( \frac{2}{1} \right)$$



$$2w + 2w + w + w = 60$$

$$\frac{6w}{6} = \frac{60}{6}$$

$$w = 10 \text{ cm}$$

$$2(6) \quad \$ > 6$$

$$\begin{array}{r} 4g + 12 = 76 \\ \quad \quad \quad -12 \quad -12 \\ \hline 4g = 64 \\ \quad \downarrow \quad \quad \downarrow \\ \quad \quad \quad 4 \quad \quad 4 \\ \quad \quad \quad \quad \quad g = 16 \end{array}$$

$$n + (n+1)$$



$$15. \frac{3}{4} - \frac{1}{2}n = \frac{5}{8}$$

$$\frac{-3}{4} \qquad \frac{-3}{4}$$

---

$$\left(\frac{-2}{1}\right) \times \frac{1}{2} n = -\frac{1}{8} \left(\frac{-2}{1}\right)$$

$$n = \frac{1}{4}$$

$$16. \frac{5}{6}c + \frac{3}{4} = \frac{11}{12}$$
$$\begin{array}{r} -\frac{3}{4} \quad -\frac{3}{4} \\ \hline \end{array}$$

$$\left(\frac{6}{5}\right) \frac{5}{6} c = \frac{1}{6} \left(\frac{6}{5}\right)$$
$$c = \frac{1}{5}$$

$$\frac{5}{6} \left(\frac{1}{5}\right) + \frac{3}{4} = \frac{11}{12}$$

$$\frac{1}{6} + \frac{3}{4} = \frac{11}{12}$$

$$\frac{11}{12} = \frac{11}{12} \checkmark$$

$$17. \quad \begin{array}{r} -1.6r + 5 = -7.8 \\ \hline \end{array}$$

$$\begin{array}{r} -1.6r = -12.8 \\ \hline -1.6 \end{array}$$

$$r = 8$$

$$19. 5(6 - 4v) = v + 21$$

$$30 - \cancel{20v} = v + \cancel{21}$$
$$+ 20v \quad + 20v$$

---

$$30 = 21v + 21$$
$$\underline{-21 \quad -21}$$

$$\frac{9}{21} = \frac{\cancel{21}v}{\cancel{21}}$$

$$v = \frac{3}{7}$$

$$\frac{3}{7} = v$$

$$2. x + (x + 1)$$

$$\frac{M}{5}$$

$$4. 2y - 1$$

# Homework

Google Classroom Inequalities