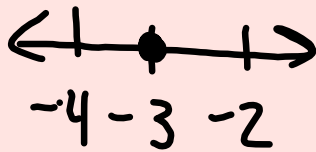


8.1 & 8.2 Quiz Review

Solve each equation and graph the solution.

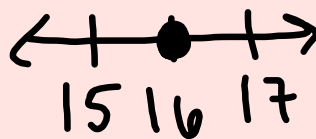
1.)  $\frac{a}{3} = -1 \cdot 3$

$$a = -3$$



2.)  $-7 + x = 9$

$$x = 16$$

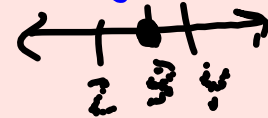


3.)  $5y + 2y - 3 = 18$

$$7y - 3 = 18$$

$$7y = 21$$

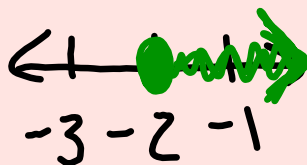
$$y = 3$$

8.1 & 8.2 Quiz Review

Solve each inequality and graph the solution.

4.)  $x + 3 \geq 1$

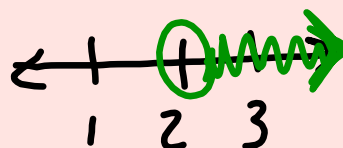
$$x \geq -2$$



5.)  $2 - 2x < -2$

$$-2x < -4$$

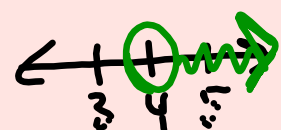
$$x > 2$$



6.)  $2x + 17 > 25$

$$2x > 8$$

$$x > 4$$



## 8.1 & 8.2 Quiz Review

Solve each inequality and graph the solution.

7.)  $18x + 6 < 12x + 12$

$$\begin{array}{r} -12x \\ -12x \end{array}$$

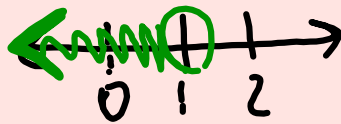
$$6x + 6 < 12$$

$$\begin{array}{r} -6 \\ -6 \end{array}$$

$$6x < 6$$

$$\begin{array}{r} \div 6 \\ \div 6 \end{array}$$

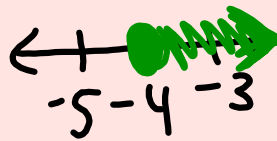
$$x < 1$$



8.)  $\frac{x}{2} - 7 \geq -9$

$$\begin{array}{r} +7 \\ +7 \end{array}$$
$$2 \cdot \frac{x}{2} \geq -2 \cdot 2$$

$$x \geq -4$$



9.)  $x + 6 < 2(x + 3)$

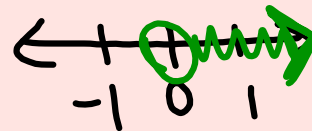
$$\begin{array}{r} -x \\ -x \end{array}$$
$$x + 6 < 2x + 6$$

$$6 < x + 6$$

$$\begin{array}{r} -6 \\ -6 \end{array}$$

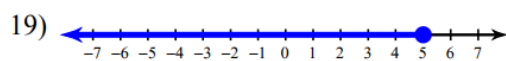
$$0 < x$$

$$x > 0$$

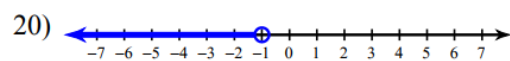


## 8.1 & 8.2 Quiz Review

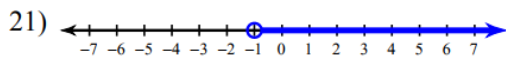
Write an inequality for each graph.



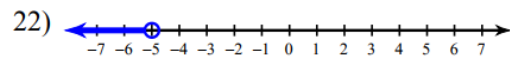
$$x \leq 5$$



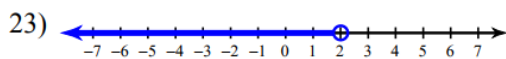
$$x < -1$$



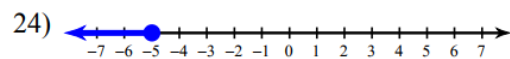
$$x > -1$$



$$x < -5$$



$$x < 2$$



$$x \leq -5$$