

Chapter 4 Practice Exercises (Solutions at www.789adam.com)

Solve these inequalities for the given variable. Draw a graph of the solution set.

$$m - 2 < 7$$

$+2 +2$

$$m < 9$$

$$r + 3 \geq 1$$

$-3 -3$

$$r \geq -2$$

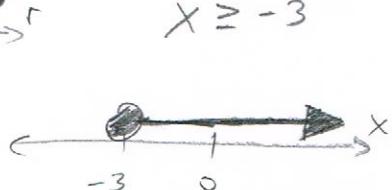


$$-3x + 2 \leq 11$$

-2

$$\frac{-3x}{-3} \leq \frac{9}{-3}$$

$$x \geq -3$$

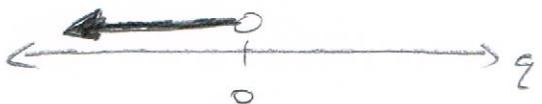


$$\frac{2(5 - q)}{2} > \frac{10}{2}$$

$$5 - q > 5 - 5$$

$$(-1) - q > 0(-1)$$

$$q < 0$$



Write the following in set notation.

Even numbers between 1 and 25:

$$\{2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24\}$$

English names for days of the week:

$$\{\text{Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday}\}$$