

Chapter 3
3.1 - 3.4 Review

1. $m > -5$

2. $7n \leq 4$

3. $x < 1$

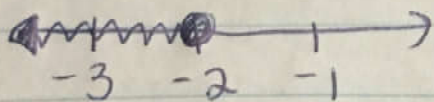
4. $x \geq -2$

5. $6m + 1 \leq 2m - 7$

$$\begin{array}{r} -2m \qquad -2m \\ \hline 4m + 1 \leq -7 \\ \hline -1 \qquad -1 \end{array}$$

$$\frac{4m}{4} \leq \frac{-8}{4}$$

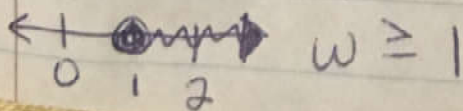
$$m \leq -2$$



6. $3(4w - 2) \geq 6$

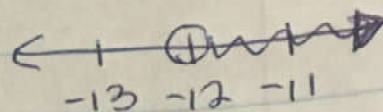
$$\begin{array}{r} 12w - 6 \geq 6 \\ \hline +6 \qquad +6 \end{array}$$

$$\frac{12w}{12} \geq \frac{12}{12}$$



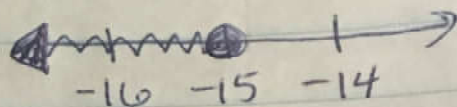
7. $3 \cdot \frac{b}{3} > -4 \cdot 3$

$$b > -12$$



8. $\frac{-2.2t}{-2.2} \geq \frac{33}{-2.2}$

$$t \leq -15$$



9. $8m - 20 < 4(2m - 6)$

$$8m - 20 < 8m - 24$$

$$\frac{-8m}{-8m} \qquad \frac{-8m}{-8m}$$

$$-20 < -24$$

False

No solution

10. $3d - 9 \leq 6d + 15$

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

$$\frac{-9}{-15} \leq \frac{3d + 15}{-15}$$

$$\frac{-24}{3} \leq \frac{3d}{3}$$

$$\boxed{-8 \leq d}$$