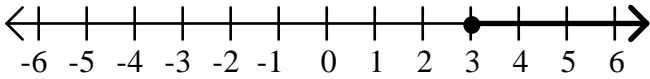


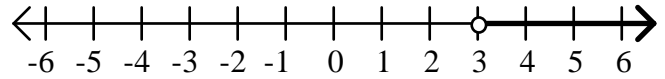
## Algebra I Worksheet #5 Unit 4 selected solutions

Solve each of the following. Graph the solution set on the number line provided.

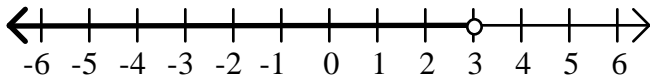
$$\begin{aligned} 2. \quad 4x + 3 &\geq 15 \\ 4x &\geq 12 \\ x &\geq 3 \end{aligned}$$



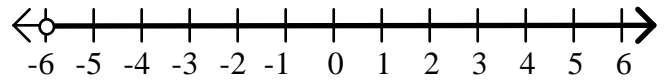
$$\begin{aligned} 4. \quad 5x - 8 &> 7 \\ 5x &> 15 \\ x &> 3 \end{aligned}$$



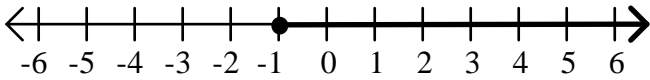
$$\begin{aligned} 6. \quad -2x + 9 &> 3 \\ -2x &> -6 \\ x &< 3 \end{aligned}$$



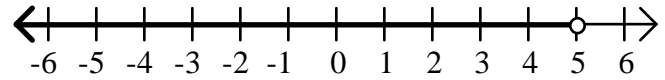
$$\begin{aligned} 8. \quad -3x - 12 &< 6 \\ -3x &< 18 \\ x &> -6 \end{aligned}$$



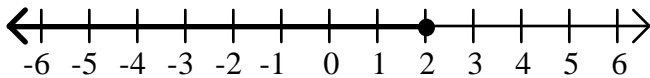
$$\begin{aligned} 10. \quad 4x - 8 &\geq -12 \\ 4x &\geq -4 \\ x &\geq -1 \end{aligned}$$



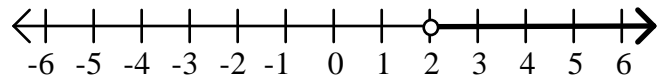
$$\begin{aligned} 12. \quad -4x + 8 &> -12 \\ -4x &> -20 \\ x &< 5 \end{aligned}$$



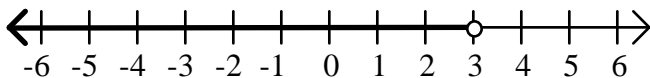
$$\begin{aligned} 14. \quad -3x + 15 &\geq 9 \\ -3x &\geq -6 \\ x &\leq 2 \end{aligned}$$



$$\begin{aligned} 16. \quad 2x - 3 &> 1 \\ 2x &> 4 \\ x &> 2 \end{aligned}$$



$$\begin{aligned} 18. \quad 8x - 9 &< 15 \\ 8x &< 24 \\ x &< 3 \end{aligned}$$



$$\begin{aligned} 20. \quad -8x + 9 &> 2x - 11 \\ -10x + 9 &> -11 \\ -10x &> -20 \\ x &< 2 \end{aligned}$$

