

Solving Equations and Inequalities A1a Review

Date _____ Period _____

Solve each equation.

1) $\frac{x}{20} = -9$

2) $x - 20 = -18$

3) $\frac{m}{13} = -20$

4) $-47 = 7n + 2$

5) $-5 = -6 + \frac{n}{14}$

6) $\frac{x-7}{2} = 4$

7) $-14 + 7v - 8v = 1 - 4v$

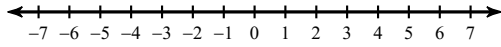
8) $15 + 3n = 6n - 3 - 6$

9) $5(1 - 2n) = 85$

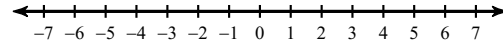
10) $-24 + 8x = 6(8x - 4)$

Draw a graph for each inequality.

11) $x > 4$

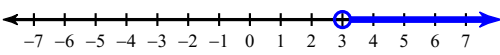


12) $1 \geq x$

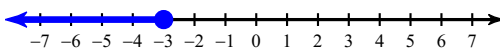


Write an inequality for each graph.

13)

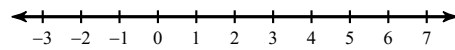


14)

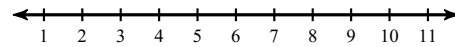


Solve each inequality and graph its solution.

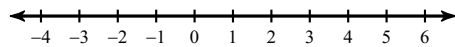
15) $7 - 6r > 1$



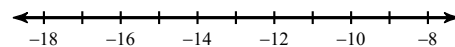
16) $2 \geq \frac{-4 + k}{2}$



17) $-10 \geq -8r - 2$



18) $-14 \geq \frac{m}{2} - 8$



Answers to Solving Equations and Inequalities A1a Review (ID: 1)

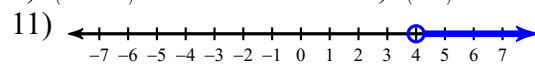
1) $\{-180\}$

3) $\{-260\}$

5) $\{14\}$

7) $\{5\}$

9) $\{-8\}$



13) $k > 3$

