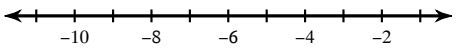
Name: _____

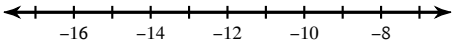
mashupmath **Practice:** Graphing Two-Step Inequalities on a Number Line

Solve each inequality, then graph the solution on the number lines given:

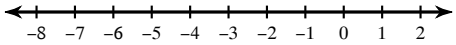
1) $4 + \frac{n}{2} < 1$



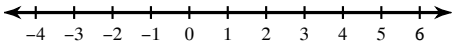
2) $-4x + 4 > 40$



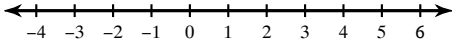
3) $\frac{x}{6} - 4 \geq -5$



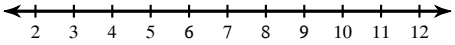
4) $\frac{k}{1} - 3 > -3$



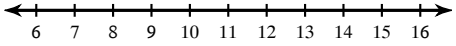
5) $\frac{p}{2} + 4 \leq 6$



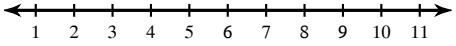
6) $\frac{v}{2} + 2 < 7$



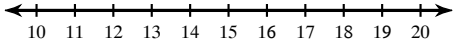
7) $\frac{x}{4} - 1 \leq 1$



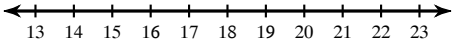
8) $5 + \frac{n}{9} \geq 6$



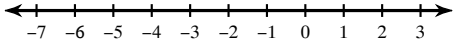
9) $-2n + 2 < -24$



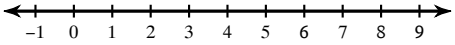
10) $\frac{x}{4} + 12 < 16$



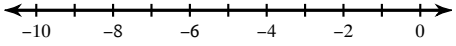
11) $1 + 12x \geq -23$



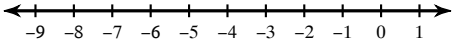
12) $\frac{-1 + v}{6} \leq 1$



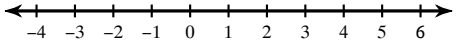
13) $\frac{n}{2} + 7 \leq 3$



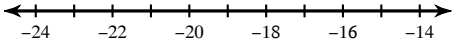
14) $\frac{x - 5}{3} < -4$



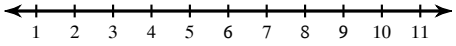
15) $\frac{m}{1} + 8 \geq 8$



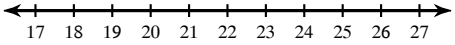
16) $8 + \frac{x}{18} \geq 7$



17) $12 - 5v > -28$



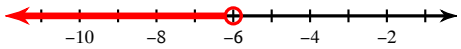
18) $\frac{1 + x}{12} < 2$



ANSWER KEY

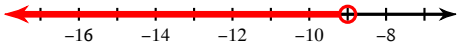
Solve each inequality, then graph the solution on the number lines given:

1) $4 + \frac{n}{2} < 1$



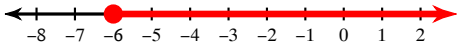
$n < -6$

2) $-4x + 4 > 40$



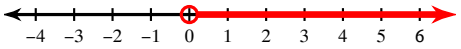
$x < -9$

3) $\frac{x}{6} - 4 \geq -5$



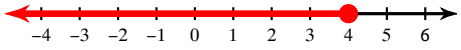
$x \geq -6$

4) $\frac{k}{1} - 3 > -3$



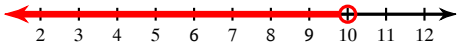
$k > 0$

5) $\frac{p}{2} + 4 \leq 6$



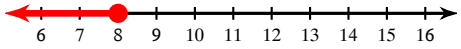
$p \leq 4$

6) $\frac{v}{2} + 2 < 7$



$v < 10$

7) $\frac{x}{4} - 1 \leq 1$



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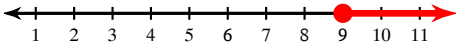
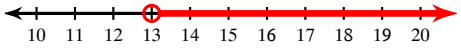


$n \geq 9$

9) $-2n + 2 < -24$



$n > 13$

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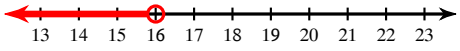

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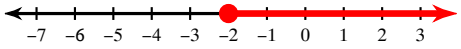
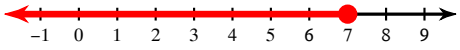


$x \geq -2$

12) $\frac{-1 + v}{6} \leq 1$



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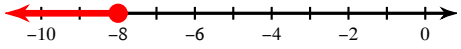

$n \leq -8$

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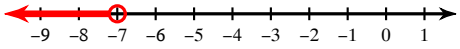

$x < -7$

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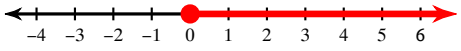

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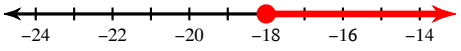

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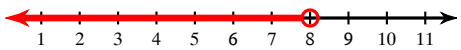

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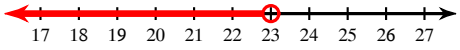

$x < 23$