

Unit 1 Quiz Practice

Date _____ Period _____

Solve each equation.

1) $108 = 6(2p + 2)$

2) $-91 = -7(n + 5)$

3) $2x - 2(8x + 5) = 102$

4) $-112 = 7(5n - 6)$

5) $-3x - 6(3x + 1) = 39 - 6x$

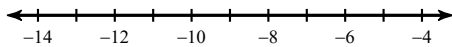
6) $-2(8b + 6) = -6b + 18$

7) $-3(7b - 2) = -39 - 6b$

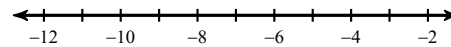
8) $4 - 7v = -7 - (2v - 1)$

Solve each inequality and graph its solution.

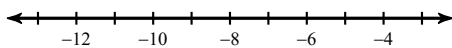
9) $158 > -4x + 7(2 - 2x)$



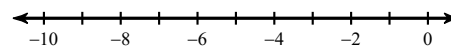
10) $3(-6 + 6n) < -126$



11) $-5(1 - 5b) > -205$



12) $94 < 7n - 3(6n - 2)$



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Solve each equation.

1) $108 = 6(2p + 2)$

 $\{8\}$

2) $-91 = -7(n + 5)$

 $\{8\}$

3) $2x - 2(8x + 5) = 102$

 $\{-8\}$

4) $-112 = 7(5n - 6)$

 $\{-2\}$

5) $-3x - 6(3x + 1) = 39 - 6x$

 $\{-3\}$

6) $-2(8b + 6) = -6b + 18$

 $\{-3\}$

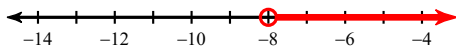
7) $-3(7b - 2) = -39 - 6b$

 $\{3\}$

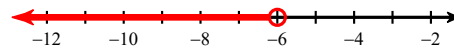
8) $4 - 7v = -7 - (2v - 1)$

 $\{2\}$ **Solve each inequality and graph its solution.**

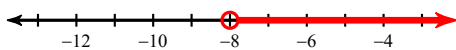
9) $158 > -4x + 7(2 - 2x)$

 $x > -8$

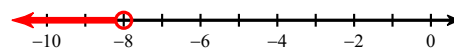
10) $3(-6 + 6n) < -126$

 $n < -6$

11) $-5(1 - 5b) > -205$

 $b > -8$

12) $94 < 7n - 3(6n - 2)$

 $n < -8$