

Mixed Review 1

Solve each equation.

1) $39 - 5x = -6(2x + 1) - 8x$

2) $-x - 29 = -3(x + 5)$

3) $14 + 2x = 7(6x + 2)$

4) $6 - 2v = 4v + 6(4v - 4)$

5) $-9 - 2n = 4n + 7(n - 5)$

6) $-8(-1 + 6m) = 4m + 8$

7) $7(n + 5) - (n - 2) = -11$

8) $3(5 + 2x) + 3(5x - 4) = 66$

Solve the absolute value equation.

9) $\frac{|3p|}{4} = 5$

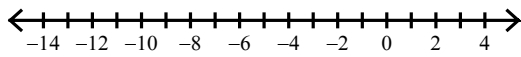
10) $|-6n| + 7 = 61$

$$11) |x + 10| - 10 = 0$$

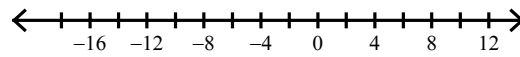
$$12) 7 \left| \frac{a}{2} \right| = 28$$

Solve each absolute value inequality and graph its solution.

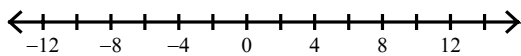
$$13) |2n + 10| + 5 \leq 19$$



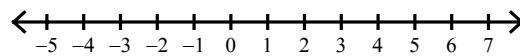
$$14) 4|x + 3| \geq 44$$



$$15) |-3 + 9b| - 1 > 86$$

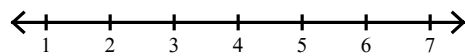


$$16) |10k - 7| - 1 \leq 42$$

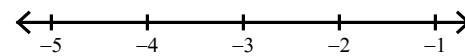


Solve each inequality and graph its solution.

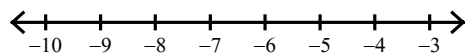
$$17) 21 > -7(n - 6)$$



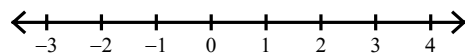
$$18) 22 > -(8p + 2)$$



$$19) 2(6 + 2p) + 2p \leq -18$$



$$20) -25 < -x + 6(-1 - 3x)$$



Answers to Mixed Review 1

1)