

Equations KEY

$$15) 4m + 3 = 13 - m$$

{2}

$$16) 5p + 5 = 4 + 4p$$

{-1}

$$17) 8 + 6x = 8 + 8x + 7 + 3$$

{-5}

$$18) -5b + 24 = -8(b - 6) + 6b$$

{-8}

$$19) 3(7r - 7) = -6 + 6r$$

{1}

$$20) -(1 - 5x) + 8 = -17 + 2x$$

{-8}

$$21) -5n - 4(-7 - 4n) = 36 + 7n$$

{2}

$$22) 2(-7a + 6) = -16 - 7a$$

{4}

$$23) -8(2 + 7n) = -6n + 34$$

{-1}

$$24) -7(x + 3) = -2(x + 3) - 5x$$

No solution.

$$25) -4(v - 2) = -4(v - 8) - 8v$$

{3}

$$26) 2(x + 8) = -3(x + 3)$$

{-5}

$$27) -7(-1 + 3a) = 5(3 - 5a)$$

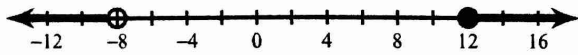
{2}

$$28) 4k + 7(-4 - 2k) = -2(k - 2)$$

{-4}

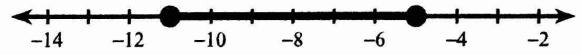
Compound Inequality KEY

11) $-5b - 8 \leq -68$ or $11b - 12 < -100$



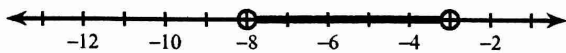
$b \geq 12$ or $b < -8$

12) $36 \leq 11 - 5x \leq 66$



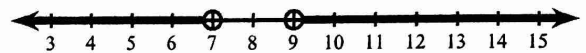
$-11 \leq x \leq -5$

13) $-10 - 2v < 6$ and $6v + 12 < -6$



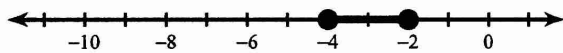
$-8 < v < -3$

14) $2x - 3 < 11$ or $-8x - 10 < -82$



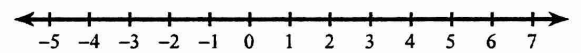
$x < 7$ or $x > 9$

15) $4b + 18 \leq -12b - 14 \leq 14 - 5b$



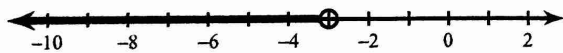
$-4 \leq b \leq -2$

16) $4a + 8 > 11a + 15$ and $13 - 14a \leq 13 - 3a$



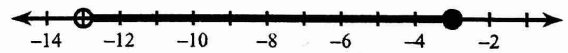
No solution.

17) $8p - 13 \leq -2 + 7p$ and $20 + 4p < 2p + 14$



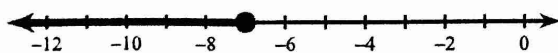
$p < -3$

18) $5v + 10 \leq -4v - 17 < 9 - 2v$



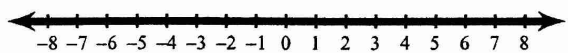
$-13 < v \leq -3$

19) $14r + 20 < 14r + 16$ or $8 - 10r \geq 15 - 9r$



$r \leq -7$

20) $x + 18 \geq 8x + 4$ or $15x - 15 \leq 15x + 5$



{ All real numbers. }