

3.4 Multiple Step Inequalities

Name _____

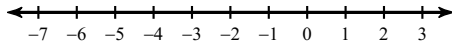
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Simplify (PEMDAS) each side, then solve (SADMEP).

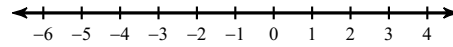
Hour _____

Solve each inequality and graph its solution.

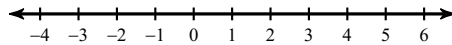
1) $-4n - 2n \leq 0$



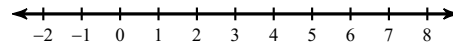
2) $-1 > 6a - 5a$



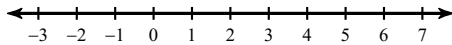
3) $1 - 4m + 5 > -2$



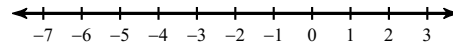
4) $v + 6 + 4 < 16$



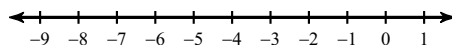
5) $3v + 6 \geq 8 + v$



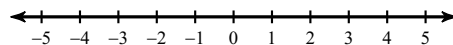
6) $5x + 3 \geq 6 + 6x$



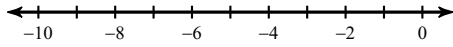
7) $-3x + 5x < -6 + x$



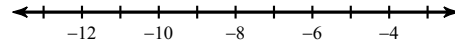
8) $2 + 4a - 5a \leq -7 - 3a + 5a$



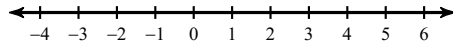
$$9) -24 + x < -5(-2x - 6)$$



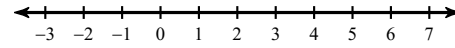
$$10) 3p + 20 > -(p + 4)$$



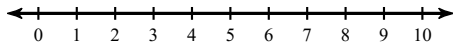
$$11) 2 - (b + 4) < -10 - 5b$$



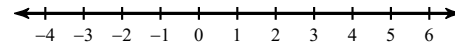
$$12) -(n - 5) < 13 - 3n$$



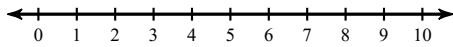
$$13) 4n - 3(1 + n) \leq 4n - 21$$



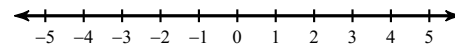
$$14) -6(-5 + r) \leq -6r + 36$$



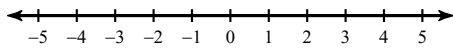
$$15) -12 - 4a < -2(6 + 2a)$$



$$16) k + 14 < 2 + 6(2 - 2k)$$



$$17) 3(2a - 2) - 2 > -8 + 6a$$



$$18) 6(p - 5) < -26 + 6p$$

