

4.4

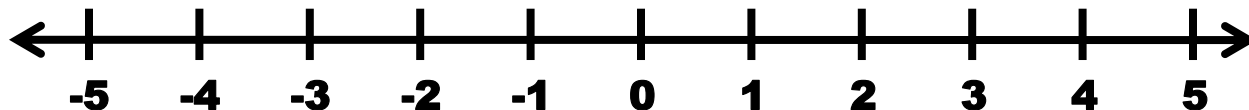
Solving Two-Step Inequalities

Review: Solving Inequalities

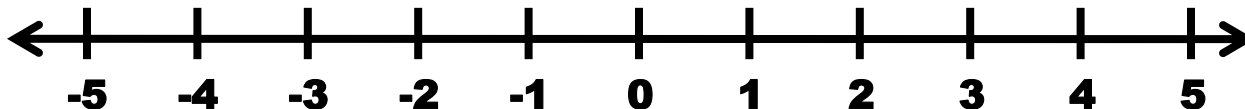
Solving inequalities is just like solving regular equations...

Solve and graph the following:

1) $t - 7 < -4$



2) $-3 < c + 2$



Review: Solving Inequalities

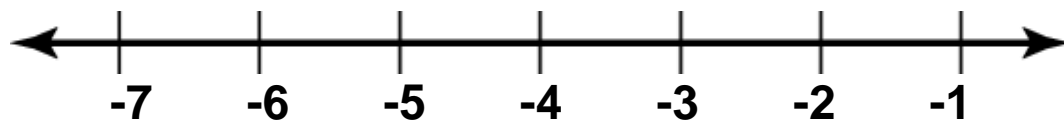
Solving inequalities is just like solving regular equations...

Solve and graph the following:

3) $\frac{d}{4} \geq -7$



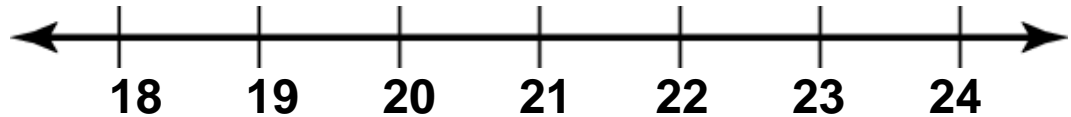
4) $-32 > 8h$



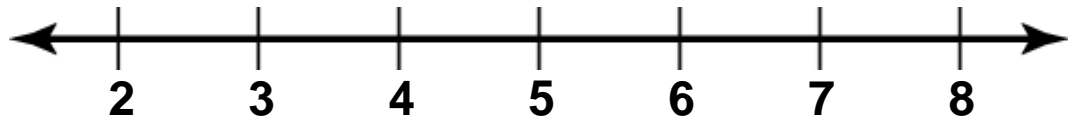
Review: Solving Inequalities

Solve and graph the following:

5) $\frac{w}{-7} \leq -3$



6) $-12n \leq -60$



Review - Solving Two-Step Equations

$$7) \ 5x - 2 = 3$$

1. Cancel addition or subtraction
2. Cancel multiplication or division

Review - Solving Two-Step Equations

8) $\frac{x}{5} - 9 = -2$

1. Cancel addition or subtraction
2. Cancel multiplication or division

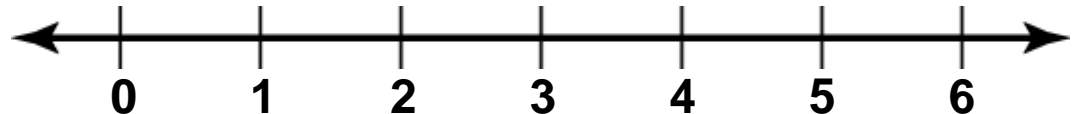
Review - Solving Two-Step Equations

$$9) -4(m + 3) = 24$$

Solving Two-Step Inequalities

$$a) 5x - 4 \geq 11$$

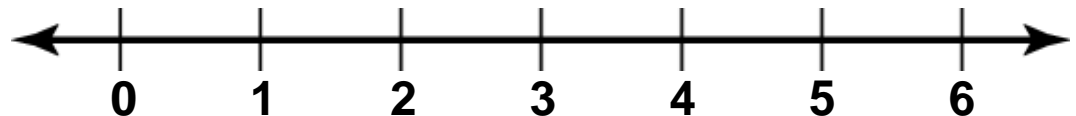
1. Cancel addition or subtraction
2. Cancel multiplication or division.
3. Remember to change the direction of the sign if you multiply or divide both sides by a negative!



Solving Two-Step Inequalities

$$b) \quad \frac{x}{-3} + 4 > 13$$

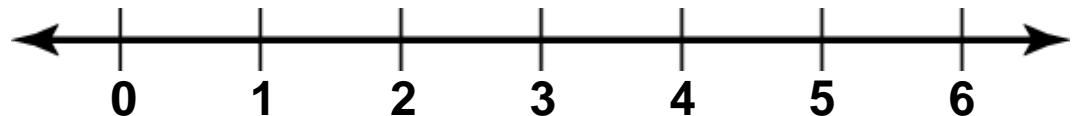
1. Cancel addition or subtraction
2. Cancel multiplication or division.
3. Remember to change the direction of the sign if you multiply or divide both sides by a negative!



Solving Two-Step Inequalities

$$c) 6y - 7 > 5$$

1. Cancel addition or subtraction
2. Cancel multiplication or division.
3. Remember to change the direction of the sign if you multiply or divide both sides by a negative!



Solving Two-Step Inequalities

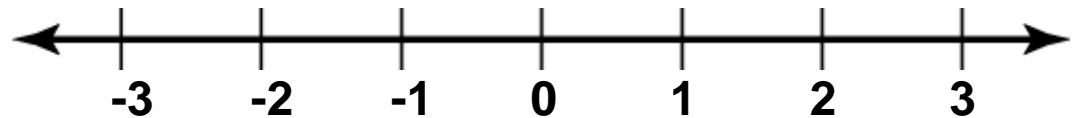
$$d) \quad 2.2 - 3d > 19$$

1. Cancel addition or subtraction
2. Cancel multiplication or division.
3. Remember to change the direction of the sign if you multiply or divide both sides by a negative!



Solving Two-Step Inequalities

$$e) -4(n - 10) \leq 32$$



Solving Two-Step Inequalities

Which graph represents the solution of $-7(x + 3) < 28$?

