

**Homework Feb. 13th-Feb. 26th**

**Part 1** Solve each equation below by using inverse operations. Then check your solution by substitution and evaluation.

1)  $-3 + y = -5$

2)  $12 = w - 2$

3)  $p - (-8) = -4$

4)  $r + 3 = 3$

5)  $-2 = t + 6$

6)  $q + 10 = -1$

7)  $s - 4 = 6$

8)  $-5 = u - 7$

**Part 2** Solve each equation below by using inverse operations. Then check your solution by substitution and evaluation.

1)  $3x = 36$

2)  $\frac{y}{9} = 3$

3)  $5p = 25$

4)  $14 = \frac{a}{2}$

5)  $\frac{r}{8} = 4$

6)  $24 = 6c$

7)  $\frac{q}{11} = 1$

8)  $8u = 40$

**Part 3** Solve each inequality below by using inverse operations. Then graph your result on a number line.

1)  $5 < x + 10$

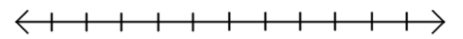
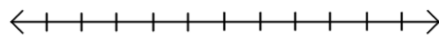
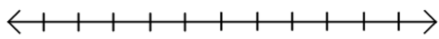
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2)  $8 > \frac{x}{2}$

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3)  $x - 7 \geq 4$

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4)  $12x \leq 6$

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5)  $3 < x + 15$

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6)  $1 > \frac{x}{9}$

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