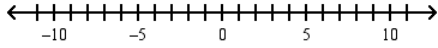
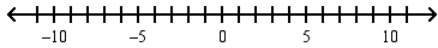


Assignment 17

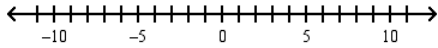
1. Graph: $x \leq -1$ or $x < 5$



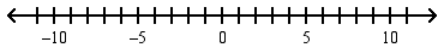
2. Graph: $x > 3$ and $x > 6$



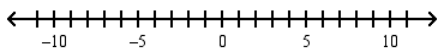
3. Graph: $x \geq -3$ and $x \leq 5$



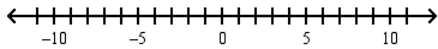
4. Graph: $x > -3$ or $x \geq 5$



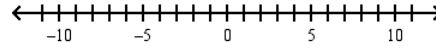
5. Graph: $-3 < x \leq 6$



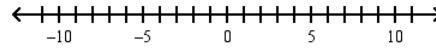
6. Graph: $x < -1$ or $x \geq 6$



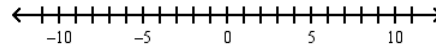
1. Solve and graph:
 $2x+1 > 7$ or $x+3 < -4$



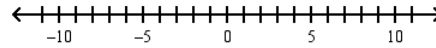
2. Solve and graph:
 $3+4x > -9$ and $2x-5 < 11$



3. Solve and graph: $13-x-5 < x-8$



4. Solve and graph: $-2x \geq 10$ or $-12 < -3x$



Name: _____

Solve each absolute value equation, remember two branches a plus and a minus branch.

1. $|2x-5|=7$

2. $|3x-5|=14$

3. $|1-x|=9$

4. $14=|4-5x|$

5. $3=|3+2x|$

Solve each equation, remember there may be no solution or it could be all real numbers.

1. $3x - 5 = 3(x - 2)$

2. $x + 2(4x - 1) = 9x - 2$

3. $6(x - 2) = 2(x + 4)$

4. $x + 10 - 3x = -2(x - 5)$

5. $5(x - 3) + 6 = 2x + 3(x - 4)$

Solve each equation.

1. $-4 - \frac{2}{3}x + 6 = 12$

2. $13 + \frac{4x}{5} = 17$

3. $-\frac{5}{2}x = -20$

4. $\frac{-3x}{5} + 9 = 18$

5. $10 - \frac{1}{4}x + 7 = 8$

Line Practice

1. Solve for y: $x - 3y = 12$

2. Find the x-intercept: $3x - 5y = 9$

3. Solve for y: $x + 2y = -8$

4. Find the x-intercept: $x - 4y = -7$

5. Find the y-intercept: $x - 4y = 20$

6. Solve for y: $5x - 2y = 2$

7. Find the y-intercept: $2x - 3y = 15$