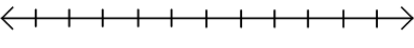


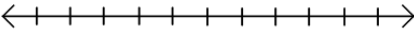
Integrated Algebra

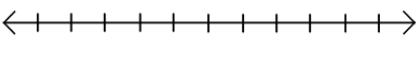
Name _____

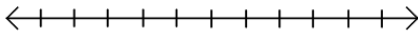
Inequalities

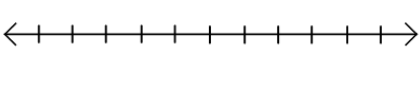
Exercise 1 Find and graph the solution set of each of the following.

1) $5x + 4 < 11 - 2x$ 

2) $2(2x - 8) - 8x \leq 0$ 

3) $\frac{-2}{3}m \geq 12$ 

4) $5x - 4 > 4 - 3x$ 

5) $\frac{x}{3} - 1 \leq \frac{x}{2} + 3$ 

Exercise 2

Write an algebraic expression for each.

1) The greatest possible value of $3y$ is 30. _____

2) The product of $3x$ and $(3x + 1)$ is at least 35. _____

3) The minimum value of $2x + 1$ is 13 _____

4) When x is divided by 3 the quotient is more than 7. _____

5) 10 more than a number is greater than 50. _____

6) 10 more than the quotient of a number and 8 is at least 12. _____