**Intermediate Algebra Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Graphing Inequalities Worksheet Hour: \_\_\_\_\_\_\_**

**Graph each inequality . Make sure to use appropriate dotted or solid line and shade correct region.**

1.  2. 



**3.** $y\geq \frac{1}{4}x-2$ **4.** $x>-6$



5. $y <-1x+4$ 6. $3x+y \geq 9$

7. $4x-6y\leq 24$ 8. $y\leq -\frac{1}{2}x+6$

In 9 - 12, Fill in the blank with the appropriate inequality sign.

9. 10.

Inequality: y 3x - 5 Inequality: 3y – 2x 18



11. 12.

Inequality: y $\frac{1}{2}x-4$ Inequality: 2x + y 4