**You must SHOW ALL WORK to receive full credit.**

**Simplify the following expressions.**

1. $\left(9x^{3}y^{5}\right)\left(3xy^{4}\right)$ 2. $(-3x^{3}y^{-2})^{3}$

**Solve and graph the inequalitity.**

3. $-3\left(x-3\right)\geq 5-4x$

**Solve and graph the compound inequalitity.**

4. $3x+2<-7 or-4x+5<1$

5. $7<x+6\leq 12$