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

**Simplify:**

1. $\left(5x^{2}-11x+18\right)-(x^{2}-4x+9)$ 2. $(5x+4)(5x+4)$

3. $(x-6)(x-8)$ 4. $(2x-1)(x^{2}-4x+7)$

**Factor out the GCF.**

5. $2x^{2}-6x+10$ 6. $4x^{3}-6x^{2}+8x$

**Solve and graph.**

7. $-2(x+4)\leq 3(2x-8)$