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

**Simplify:**

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

3. $(6x-2)(3x+4)$ 4. $(x-4)(x-8)$

5. $(3x+5)(x^{2}-2x-2)$