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

**Solve the systems by graphing.**

1. $y=-\frac{1}{2}x+2 and y=\frac{3}{4}x+7$ 2. $y=-4x-3 and y=-x+3$

Solution: (\_\_\_,\_\_\_) Solution: (\_\_\_,\_\_\_)

**Simplify the following expressions:**

3. $(3x^{4})(4x^{2})$ 4. $(7x^{4})^{2}$

5. $\frac{12x^{4}}{16x^{6}}$