**DO YOUR HOMEWORK ON A SEPARATE SHEET OF PAPER!!!!**

**Practice 4-5: Complete your assignment on a separate sheet of paper. Show all work.**

 **1.**  Solve by factoring.

a. $9x^{2}-1=0$ b. $x^{2}+13x=-36$ c. $h^{3}-5h^{2}=6h$

 **2.** Solve by graphing.

 a. $x^{2}+5x+3$ b. $10x^{2}+3=11x$ c. $5x^{2}+x=4$

1. An object is dropped from a height of 1700 ft above the ground. The function $h=-16t^{2}+1700 $gives the object’s height *h* in feet during free fall at *t* seconds.

When will the object be 1000 feet above the ground?

**Practice 4-6: Complete your assignment on a separate sheet of paper. Show all work.**

 **1.** Solve by taking square roots.

a. $2x^{2}=72$ b. $6x^{2}=54$

**2**. Solve by completing the square.

* 1. $x^{2}+6x-3=0$ b. $x^{2}+4x+2=0$ c.