

Math 80 Quiz #9
March 9th, 2010

Name: _____

Show all work on a separate sheet. Put a box around your final answer.

1. Factor the following as much as possible.

(a) (1 pts.) $x^2 + 20x + 100$

(d) (1 pts.) $4x^2 - 1$

2. Solve the following equations.

(a) (3 pts.) $x^2 = 24 - 5x$

(b) (2 pts.) $3x^3 - 12x = 0$

3. (3 pts.) Suppose the height of a ball thrown in the air is given by $h = -16t^2 + 24t$ in feet at t seconds.
When does the ball **land** if the ball is thrown at 0 seconds?