

MTH 65 – Graded Homework 12

Due: March 2, 2011

Name _____

1. Solve each equation using the square root property. Make sure that you completely simplify each solution value (e.g. simplify $\sqrt{20}$ to $2\sqrt{5}$).

a. Solve $x^2 - 2 = 22$.

b. Solve $(3x + 2)^2 = 9$.

c. Solve $(z - 4)^2 = 18$ using the square root property..

2. Solve $(x - 1)(x + 4) = 14$ using the zero-product principle.