

MTH 95 Lesson 4 - Solving Quadratic Equations by Factoring with Applications

Name: _____

1. Solve the following quadratic equations.

a. $(x + 2)(x - 10) = 0$

e. $x^2 - 4x - 5 = 0$

b. $x(x - 5)(x + 4) = 0$

f. $x^2 + 4x = 21$

c. $90(x + 7)(9x - 5) = 0$

g. $x^2 = 3x$

d. $x^2 + 9x + 8 = 0$

h. $7x^2 = -49x$

i. $x^2 - 2x + 1 = 0$

m. $(x - 1)(x + 4) = -6$

j. $36x^2 = -60x - 25$

n. $x(x - 4) = -(2x + 1)$

k. $4x^2 = -37x - 40$

o. $(x - 9)(x^2 + 15x + 50) = 0$

l. $x(x - 6) = 16$

p. $x^3 - 13x^2 + 30x = 0$

