

Math 127: Solo Quiz
2/23/10

KEY

Factor:

$$1.) x^2 + 7x + 12 = (x+3)(x+4)$$

12
3 4
7

$$2.) x^2 + 8x + 12 = (x+6)(x+2)$$

12
6 2
8

$$3.) x^2 + 13x + 12 = (x+1)(x+12)$$

12
1 12
13

$$4.) x^2 - 4x + 3 = (x-1)(x-3)$$

3
-1 -3
-4

$$5.) x^2 - 5x - 6 = (x-6)(x+1)$$

-6
-6 1
-5

$$6.) x^2 - 4 = (x+2)(x-2)$$

$$7.) x^2 - 36 = (x+6)(x-6)$$

$$8.) 25x^2 - 1 = (5x-1)(5x+1)$$

$$9.) 2x^2 - 5x + 3 = (2x-3)(x-1)$$

6
2 3
-2 -3
5

$$10.) 3x^2 - 12x + 12 = 3(x-2)(x-2) = 3(x-2)^2$$