

## Solve Quadratic Functions by Factoring HW-2

Date \_\_\_\_\_ Due: \_\_\_\_\_

Solve each equation by factoring.

1)  $7k^2 - 112 = 0$

2)  $8x^2 - 8x = 336$

3)  $8x^2 = -32 + 32x$

4)  $5x^2 = 35x$

5)  $2x^2 = -70 + 24x$

6)  $n^2 + 2n = 0$

7)  $x^2 + 12x = -32$

8)  $a^2 = 24 - 5a$

9)  $x^2 + 11 = -5 + 10x$

10)  $-7n^2 - 6n = -8n^2 - 5n$

$$11) r^2 + 7r + 40 = -6r$$

$$12) 3x^2 + 19x = 40$$

$$13) 5n^2 + 17n = -6$$

$$14) 5x^2 + 56x - 24 = 3x - 2x^2$$

$$15) 2a^2 = 7a$$

$$16) 3n^2 + 2 = 5n$$

$$17) 49n^2 = -5 + 42n$$

$$18) 2n^2 - 7n - 20 = -5$$

$$19) 5v^2 - 27v - 21 = -3$$

$$20) 21x^2 + 29x - 5 = 5$$