

1. Expand.

$$(x + 1)(x - 1) =$$

$$(x + 1)(x + 1) =$$

$$(x + 1)^2 =$$

$$(x - 1)(x - 1) =$$

$$(x - 1)^2 =$$

2. Factor.

$$x^2 - 1 =$$

$$x^2 + 2x + 1 =$$

$$x^2 - 2x + 1 =$$

3. Expand.

$$(x + 3)(x - 3) =$$

$$(x + 3)^2 =$$

$$10(x + 3)^2 =$$

$$(x - 3)^2 =$$

$$2(x - 3)^2 =$$

4. Factor.

$$x^2 - 9 =$$

$$x^2 + 6x + 9 =$$

$$10x^2 + 60x + 90 =$$

$$x^2 - 6x + 9 =$$

$$2x^2 - 12x + 18 =$$

5. Expand.

$$(x + 1)(x + 2) =$$

$$(x + 1)(x + 3) =$$

$$(x + 1)(x + 4) =$$

$$(x + 2)(x + 3) =$$

$$(x + 2)(x + 4) =$$

$$(x + 3)(x + 4) =$$

$$(x + 7)(x + 8) =$$

$$(x + 8)(x + 9) =$$

6. Factor.

$$x^2 + 3x + 2 =$$

$$x^2 + 4x + 3 =$$

$$x^2 + 5x + 4 =$$

$$x^2 + 5x + 6 =$$

$$x^2 + 6x + 8 =$$

$$x^2 + 7x + 12 =$$

$$x^2 + 8x + 12 =$$

$$x^2 + 13x + 12 =$$

$$x^2 + 9x + 8 =$$

$$x^2 + 7x + 6 =$$

$$x^2 + 4x + 4 =$$

7. Expand.

$$(x - 1)(x - 2) =$$

$$(x - 1)(x - 3) =$$

$$(x - 1)(x - 4) =$$

$$(x - 2)(x - 3) =$$

$$(x - 2)(x - 4) =$$

$$(x - 3)(x - 4) =$$

$$(x - 7)(x - 8) =$$

$$(x - 8)(x - 9) =$$

8. Factor.

$$x^2 - 3x + 2 =$$

$$x^2 - 4x + 3 =$$

$$x^2 - 5x + 4 =$$

$$x^2 - 5x + 6 =$$

$$x^2 - 6x + 8 =$$

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

$$x^2 - 8x + 12 =$$

$$x^2 - 13x + 12 =$$

$$x^2 - 9x + 8 =$$

$$x^2 - 7x + 6 =$$

$$x^2 - 4x + 4 =$$

9. Expand.

$$(x - 1)(x + 2) =$$

$$(x + 1)(x - 2) =$$

$$(x - 1)(x + 4) =$$

$$(x + 1)(x - 4) =$$

$$(x - 3)(x + 4) =$$

$$(x + 3)(x - 4) =$$

10. Factor.

$$x^2 - x - 2 =$$

$$x^2 + x - 2 =$$

$$x^2 + 3x - 4 =$$

$$x^2 - 3x - 4 =$$

$$x^2 + x - 12 =$$

$$x^2 - x - 12 =$$

$$x^2 + 11x - 12 =$$

$$x^2 - 11x - 12 =$$

$$x^2 + 4x - 12 =$$

$$x^2 - 4x - 12 =$$

$$10x^2 - 40x - 120 =$$