

Name _____ Block _____

Solve by Factoring find the roots

1) $x^2 - 64 = 0$

2) $3x^2 - 75 = 0$

3) $x^2 + 15x + 50 = 0$

4) $x^2 + 12x + 11 = 0$

5) $x^2 - 8x = -15$

6) $x^2 + 2x = 35$

7) $2x^2 - 11x - 21 = 0$

8) $3x^2 - 5x - 12 = 0$

$$9) 5x^2 - 22x = 15$$

$$10) 2x^2 - 15x = -28$$

$$11) 4x^2 + 7x = 0$$

$$12) 6x^2 - 18x = 0$$

$$13) 6x^3 - 6x = 0$$

$$14) 4x^3 - 144x = 0$$

$$15) 3x^2 - 18x - 48 = 0$$

$$16) 6x^2 - 6x - 36 = 0$$

$$17) x^3 - 8x^2 + 16x = 0$$

$$18) 2x^3 + 20x^2 + 50x = 0$$

$$19) 10x^3 + 14x^2 + 4x = 0$$

$$20) 6x^3 + 33x^2 + 45x = 0$$

$$21) 16x^3 - 32x^2 - 20x = 0$$

$$22) 30x^3 + 25x^2 + 5x = 0$$