6.1 Factoring + Square noof methods.

3 cases to consider when solving ax2+bx+c=0.

1. when a,b,c an IR, factor by gress +chek.

2. when C=0, a,b are IR, factor by GCF

3. when b=0, a,care IR, solve by grave root method

X will have imaginary numbers. X

$$\frac{25x^{2} - 5x}{-5x}$$

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$$\frac{5x}{-5x}$$

$$\frac{$$

Zero product

$$3x^{2} + 11x = 4$$

$$3x^{2} + 11x - 4 = 0$$

$$3x - 1 \times + 4 = 0$$

$$-1x + 12x = 11x$$

$$-1x + 12x = 0$$

$$3x - 1 = 0 \text{ or } x + 4 = 0$$

$$-4 - 4 = 0$$

$$x = -4 - 4$$

$$3x - 1 = 0 \text{ or } x + 4 = 0$$

$$x = -4 - 4$$

$$x = -4 - 4$$

 $2x^{2}+8=0$ $2x^{2}=-8$ $\sqrt{x^{2}-1}-4$ $\sqrt{x^{2}-1$

HW: P. 372 2-72 every other ruen, every even E.C.