Zero Product TRUTH

When a product equals zero, then one of the factors must also equal zero.

If $a \cdot b = 0$

Then either $a = 0$ **or** $b = 0$

Zero Product WAY

Solve using the Zero Product Property.

1) $(x+9)(x-2)=0$

2) $x^2+7x+10=0$

3) $4x(5x+6)(4x-8)=0$

4) $2x^3-3x^2-9x=0$

Zero Product WAY

Solve using the Zero Product Property.

5) $(3x-2)^2=0$

6) $x^2+2x+1=0$

7) $x^2+2x=8$

8) $5x^2-17x=-6$

Zero Product WAY

Solve using the Zero Product Property.

9) $3x^3 + 12x^2 = 0$

10) $2x^3 - 6x^2 + 4x = 0$

11) $12x^4 - 27x^2 = 0$

12) $48x^3 - 75x = 0$