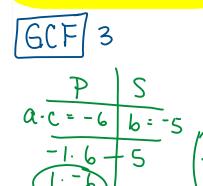
OPENING

Factor



$$-\frac{6}{3}\left(\frac{-2}{1}\right)^{3}\left(3x+1\right)\left(1x-2\right)$$

Solving Quadratic Equations Using Factoring

- 1. Put all terms on one side of the equation; set the quadratic equal to zero.
- 2. Factor.
- 3. Use the Zero Product Property, set all factors equal to zero.
- 4. Check your answers!!!

If
$$a \cdot b = 0$$
, then either $a = 0$

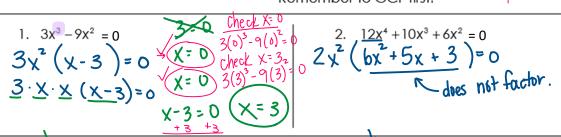
4. $x^2 + 7x - 30 = 0$

X-3=0

Solve by factoring each equation.

 $x^2 + 9x + 20 = 0$

Remember to GCF first!



6.
$$x^{2} = 10x - 24$$

 $-10x + 24 = 0$
 $x^{2} = 10x + 24 = 0$
 $x^{3} = 10x + 24 = 0$
 $x^{4} = 0$

(x-3)(x+10)=D

X+10=D