Factor using only GCF.

$$60c^5dg^6 + 48c^3d^3g^5 - 36c^2d^2g^9$$

## $8c^3 - 240c$

Factor Completely.

GCF is the only factoring that can be done.

## Factor Completely.

$$8g^{4} - 2g^{2} - 36 = 2(4g^{2} - g^{2} - 16)$$

$$4g^{2} - 9$$

$$4g^{3} - 9$$

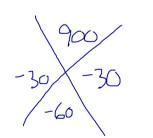
$$2(4g^{2} - 9)(g^{2} + y)$$

$$2(2g^{\pm} - 3)(g^{2} + y)$$

$$2(2g^{\pm} - 3)(g^{2} + y)$$

## Factor Completely.

$$25m^2 - 60m + 36 = (5m - 4)$$



$$\frac{5m}{25m^2-30m}$$
  $-6$   $\frac{-30m}{30m}$   $+36$ 

## Factor Completely.

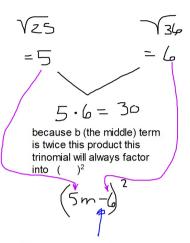
$$25m^2 - 60m + 36$$

The formula for this kind of factoring is:

$$(a)^2 + 2ab + (b)^2 = (a+b)^2$$

If you don't recognize this kind of factoring you can always factor using the "X" and the "Box"

because a and c are both perfect squares you might be able to factor this way:



this sign is always the same as the original sign for the middle term