1. What is the only number that has the same amount of letters as the number?

2.What is the one word that when you say it, it is no longer there?

3. What is the first whole number that you use the letter "a" to spell the name of the number?

GCF

Factoring

$$4x^2 + x = x(4x + 1)$$

$$2x^3 - 8x^2 = 2x^2(x - 4)$$

$$\tan x \cdot \sin x + \sin x = \sin x(\tan x + 1)$$

$(a = 1)$ Factoring Trinomials

* $\underline{}x^2 + \underline{6}x + \underline{8} = (x+2)(x+4)$

  $\uparrow$ ADD $\qquad \uparrow$ MULT

* $x^2 + 10x + 24 = (x+4)(x+6)$

* $x^2 - 3x - 40 = (x+5)(x-8)$

  $\uparrow$ ADD $\qquad \uparrow$ MULT

$$x^2 + 2x + 1$$

$$\sin^2\theta + 2\sin\theta + 1$$

$$= (\sin\theta + 1)(\sin\theta + 1)$$