

(a+b)(c+d)=(a+b)e+(a+b)d

(act bc) + (ad thd) this is a, b are # taxtab $\chi^2 + (a+b) x + ab$ $(x+a)(x+b)=x^2+(a+b)x+a$ Expan

-(x+()(x-3)

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

$$(x+7)(x-7) = x^{2} + 0x + 49$$

$$= x^{2} - 7^{2}$$

$$(x+4)(x-6)$$

$$(x-6)(x-2)$$

$$(x+a)(x-a) = x^{2} - ax + ax$$

$$= x^{2} - a^{2}$$

$$= x^{2} - a^{2}$$

$$= x^{2} - a^{2}$$

$$= x^{2} - a^{2}$$

)

$$(x-2023)(x+2023) = x^2-2023^2$$

$$(x-\sqrt{5})(x+\sqrt{5}) = x^2-(\sqrt{5})^2$$

$$= x^2-5$$

$$(x-1!)(x+1!) = x^2-1!^2$$

$$(x+1!)(x+1!) = x^2-1!^2$$

$$(x+\sqrt{5}) = x^2-5$$

$$(x-1!)(x+1!) = x^2-1!^2$$

$$(x+\sqrt{5}) = x^2-5$$

$$= x^2-5$$

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$$(1,000,000 + 125) \times (999,875)$$

$$(1,000,000 + 125) \times (1,000,000 - 125)$$

$$(1,000,000 + 125) \times (1,000,000 - 125)$$

$$(2-r)(2+r) = 4-r^2$$

$$formulas to know Swell$$

1) Most general (a+b)(c+d)=ac+ad+bc+bd $(z)(x+a)(x+b) = x^2 + (a+b)x + ab$ (3) $(a+b)(a-b) = a^2 - b^2$ (x+a) = (x+a) $= x^2 + 2ax + a^2$ do not toget A and of

Will do? $(x+a)^2 = x^2 + a$ Compute $\left(\sqrt{2}+\sqrt{3}\right)$