HW due fmw!!

Test tomorrow!! FOILing (distributive property) . 50 min 50H questions Tell answers · no calculators

(a+b)(c+d) = ac + ad + bc + bd  $(x+2)(x+7) = x^2 + 9x + 14$   $x^2 + 7x$ 

$$(xt-2)(xt7) = \left[x^2 + 5x - 14\right]$$

$$(|x+a|)(x+b) = x^2 + (a+b)x$$

$$+ab$$

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

$$a+b$$

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

$$(x-y)(x+y) \in x^2 - y^2$$

$$\left(\sqrt{2}\left(\sqrt{223}\right)\right) \neq \sqrt{2}$$

$$(\sqrt{2023} - \sqrt{7})(\sqrt{2023} + \sqrt{7})$$

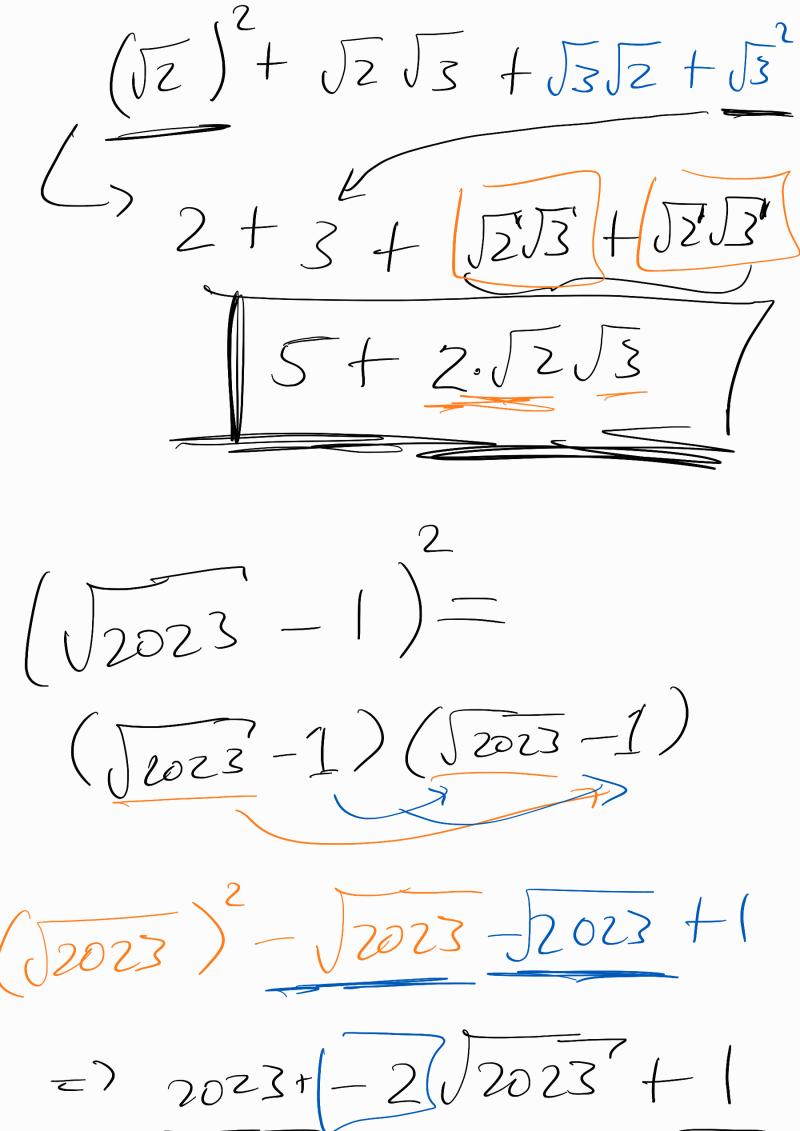
$$(\sqrt{2023})^2 - (\sqrt{7})^2$$

$$(\sqrt{2023})^2 - \sqrt{7} = (2016)$$

$$(2023 - x)(2023 + x)$$

$$(\sqrt{2} + \sqrt{3}) = (\sqrt{2} + \sqrt{3})(\sqrt{2} + \sqrt{3})$$

(0200)



2024 - 202023 Simplify the following: (1)  $(x-6)^2 = x^2 + -12x + 36$ (2)  $(x+7) = x^2 - 49$  $\begin{array}{c}
(3) \\
-(\chi - 7)(\chi - 8) = \chi^{2} + 15\chi^{2} - 56 \\
(-\chi + 7)(\chi - 8) = \chi^{2} + 15\chi^{2} - 56 \\
(2\chi + \sqrt{5})(2\chi - \sqrt{5}) = \chi^{2} + 15\chi^{2} - 56 \\
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(2\chi + \sqrt{5})(2\chi - \sqrt{5}) = \chi^{2} + 15\chi^{2} + 1$  $4x^2+2x(-55)+2x+5+(55)$ 7 4x2-5

S(7+(20x)(35x-5) $\frac{21\sqrt{x}-35+6\sqrt{x}}{-10\sqrt{x}}$