

	Navn:		Skole:	
	Klasse: 20		Dato: 5. december 2022	Fag: Matematik A

Opgave 004

004

$$ax^2 + bx + c = 0 \quad | \cdot 4a$$

$$4a^2x^2 + 4abx + 4ac = 0$$

$$4a^2x^2 + 4abx + 4ac + b^2 = b^2$$

$$4a^2x^2 + 4abx + b^2 = b^2 - 4ac$$

$$(2ax + b)^2 = b^2 - 4ac$$

$$2ax + b = \sqrt{b^2 - 4ac}$$

$$2ax = -b + \sqrt{b^2 - 4ac}$$

$$x = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$