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

Opgave 004

004 $0x^{2}+6x+c=0 \quad | \cdot 4a$ $4a^{2}x^{2}+4ab+4ac=0$ $4a^{2}x^{2}+4ab+4ac+b^{2}=0$ $4a^{2}x^{2}+4ab+5^{2}=-4ac$ $(2ax)^{2}+2(ax)b+5^{2}=-4ac$ $(2ax)^{2}+2(ax)b+5^{2}=-4ac$ $(2ax+b)^{2}=b^{2}-4ac$ $2ax+b=\sqrt{b^{2}-4ac}$ $2ax=-b+\sqrt{b^{2}-4ac}$ $x=\frac{-b+\sqrt{b^{2}-4ac}}{2a}$