

	Navn:		Skole:	
	Klasse: 20		Dato: 1. februar 2022	Fag: Matematik A

## Opgave 275

$$T_{\frac{1}{2}} = 4$$

$$f(-2) = 58$$

Opstil 2 ligninger

$$4 = -\frac{\log 2}{\log a}$$

$$58 = b \cdot a^{-2}$$



The system of equations is solved for  $a, b$  by WordMat's 'solve equation' function,

$$a = 0,8408964 \quad \wedge \quad b = 41,01219$$

$$f(x) = 41 \cdot 0.841^x$$

