Navn:		Skole:	
Klasse: 20		Dato: 27. december 2022	Fag: Matematik A

## Opgave 019

$$\int_{0.5}^{109} \frac{109 \, 0.5}{109 \, a} \qquad F(x) = 5 \cdot a^{x}$$

$$f(x + T_{0.5}) = 2 \cdot f(x) \qquad T_{0.5} = \frac{Im(2)}{14(a)}$$

$$b \cdot a^{x+T_{0.5}} = 2 \cdot b \cdot a^{x} \quad 1 \cdot b$$

$$a^{x+T_{0.5}} = 2 a^{x}$$

$$a^{x} \cdot e^{T_{0.5}} = 2 a^{x}$$

$$a^{x} \cdot e^{T_{0.5}} = 2 a^{x}$$

$$a^{x} \cdot e^{T_{0.5}} = 1m(2)$$

$$In(a^{x}) = 1m(2)$$

$$T_{0.5} \cdot Im(a) = 1m(2)$$

$$In(a) = 1m(2)$$