

	Navn:		Skole:	
	Klasse: 20		Dato: 5. marts 2023	Fag: Matematik A

## Opgave 030

Opg 31

$$f(0) = 9$$

$$f(x) = 0$$

$$f(3) = 0$$

Opg 32

$$f(x) = 3x - 4$$

$$g(x) = 15x - 2$$

$$h(x) = 15x + 2$$

$$A = h(x)$$

$$B = f(x)$$

$$C = g(x)$$

Opg 33

$$f(x) = 6$$

$$f(1) = 6$$

Opg 34

$$f(x) = 0.5x$$

$$g(x) = 1.5x$$

$$A = f(x) \text{ Fordi den falder}$$

$$B = g(x) \text{ Fordi den stiger}$$

Opg 35

$$T_2 = 3$$

Opg 36

$$f(x) = -x^2 + 2x + 3$$

$$g(x) = -x^2 - 2x + 1$$

$$h(x) = \frac{1}{4}x^2 - 2x + 3$$

$$A = g(x)$$

$$B = f(x)$$

$$C = h(x)$$

Opg 37

$$g(x) = f(x)$$

$$x_1 = 2$$

$$x_2 = 4$$

Opg 38

$$p(x) = 2x^4 - x^3 + 5x + 7$$

Skærer y-aksen i 7

Opg 39

$$f(x) = 1.05^x$$

$$T_2 = \frac{\ln 2}{\ln 1.05} = 142$$