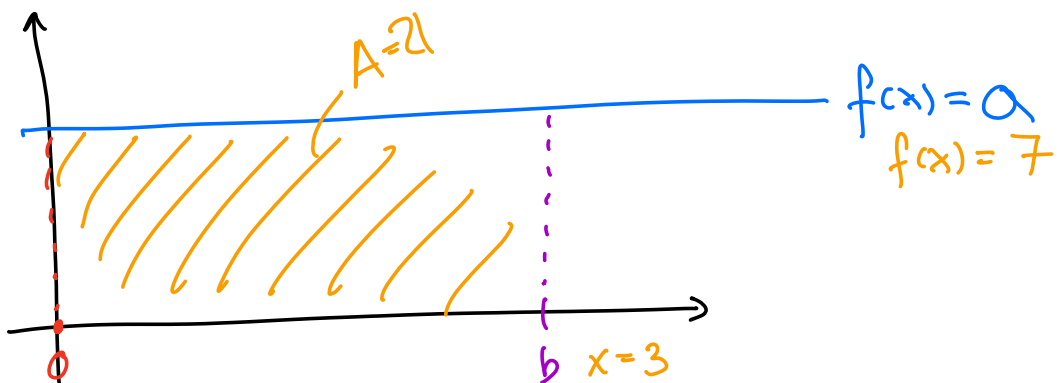
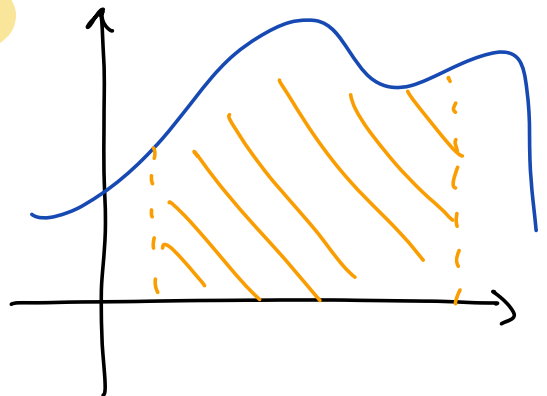


# INTRO TIL INTEGRALREGNING.

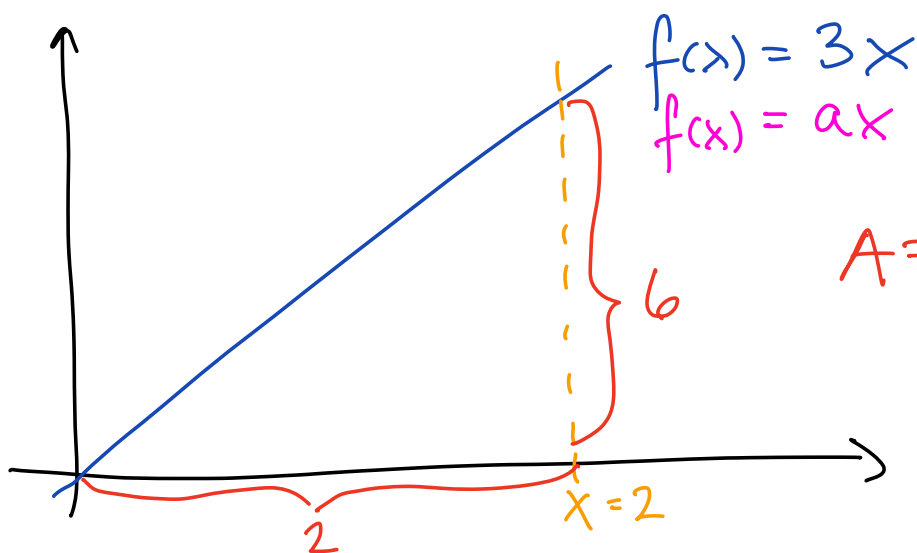
## Areal under grafen



$$A = a \cdot x$$
$$F(x) = a \cdot x$$

$$A = 7 \cdot x$$
$$F(x) = 7 \cdot x$$

↖ Stamfunktion.



$$F(x) = \frac{1}{2} \cdot x \cdot 3x = \frac{1}{2} \cdot 3 \cdot x^2$$

$$F(x) = \frac{1}{2} \cdot a \cdot x^2$$

$$\frac{F(x)}{ax}$$

$$ax$$

$$\frac{1}{2}ax^2$$

$$\frac{1}{n+1}x^{n+1}$$

$$\frac{f(x)}{a}$$

$$a$$

$$ax^1$$

$$x^n$$

$$\frac{f'(x)}{0}$$

$$0$$

$$a$$

$$n \cdot x^{n-1}$$

$$\frac{1}{7+1}x^{7+1} = \frac{1}{8}x^8$$

$$x^7$$

$$G(x) + H(x)$$

$$g(x) + h(x)$$

$$g'(x) + h'(x)$$

$$f(x) = 7x + 9 + 0$$

$$F(x) = \frac{1}{2} \cdot 7 \cdot x^2 + 9x + \underline{k}$$

~~$$\frac{1}{x} = x^{-1}$$~~