

C 2143 $k = \frac{\Delta y}{\Delta x} = 4$ ← sekant med lutning 4

$$y = kx + m \quad \text{vid } (1,1)$$
$$1 = 4 \cdot 1 + m$$
$$-3 = m$$

$$y = 4x - 3 \quad y = x^2$$

$$x^2 = 4x - 3$$

$$x^2 - 4x + 3 = 0$$

$$(x-1)(x-3) = 0$$

$$x = 1 \text{ eller } 3$$

När $x = 3$

$$y = kx + m$$

$$y = 4 \cdot 3 - 9$$

$$y = 9$$

$$(3, 9)$$

Kontroll räkna

$$y = x^2$$

$$9 = x^2$$

$$B = (3, 9)$$