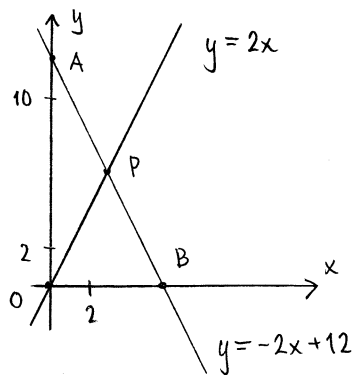


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(a) P:s koordinater:

$$\begin{cases} y = 2x & (1) \\ y = -2x + 12 & (2) \end{cases}$$

$$2x = -2x + 12$$

$$4x = 12$$

$$x = 3$$

Insättning i ekv. (1) ger

$$y = 2 \cdot 3 = 6$$

Svar: (3, 6)

(b) Punkten B:s x-koordinat?

$$0 = -2x + 12$$

$$2x = 12$$

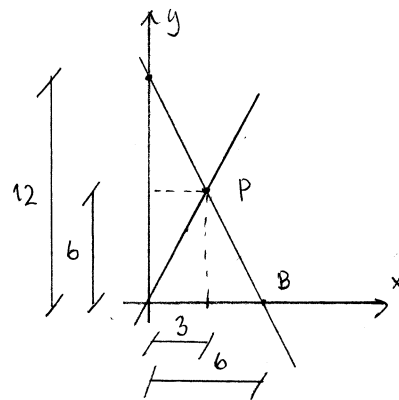
$$x = 6$$

OPA har arean

$$A_1 = \frac{12 \cdot 3}{2} = 18 \text{ (a.e.)}$$

OBP har arean

$$A_2 = \frac{6 \cdot 6}{2} = 18 \text{ (a.e.)}$$

Svar: Ja, trianglarna har lika stora areor.