

Evaluación

DD

MM

• 1) $x = 4$

$$\begin{aligned}y(4) &= 10 \cdot 4 - 5 \cdot (4)^2 \\ &= 40 - 5 \cdot 16 \\ &= 40 - 80 \\ &= -40\end{aligned}$$

• 2) $x = 3$

$$\begin{aligned}y(3) &= 10 \cdot 3 - 5 \cdot (3)^2 \\ &= 30 - 5 \cdot 9 \\ &= 30 - 45 \\ &= -15\end{aligned}$$

• 3) $x = 1$

$$\begin{aligned}y(1) &= 10 \cdot 1 - 5 \cdot (1)^2 \\ &= 10 - 5 \cdot 1 \\ &= 10 - 5 \\ &= 5\end{aligned}$$



DD

MM

AA

• $4) \lambda = 5$

$$y(5) = 10 - 5 - 5 - (5)^2$$

$$50 - 5 - 25$$

$$50 - 125$$

$$-75$$

• $5) \lambda = 2$

$$y(2) = 10 - 2 - 5 - (2)^2$$

$$20 - 5 - 4$$

$$20 - 20$$

$$0$$

$$x = \frac{1}{2}$$

$$\lambda \left(\frac{1}{2} \right) = 10 \cdot \frac{1}{2} - 5 \cdot \left(\frac{1}{2} \right)^2$$

$$5 - 5 \cdot 0,25$$

$$5 - 1,25$$

$$3,75$$

$$x = \frac{3}{2}$$

$$\lambda \left(\frac{3}{2} \right) = 10 \cdot \frac{3}{2} - 5 \cdot \left(\frac{3}{2} \right)^2$$

$$35 - 5 \cdot 12,25$$

$$35 - 61,25$$

$$-26,25$$