

$$\sqrt{8x+6} - 3\sqrt{2x-1} = 0$$

$$\left(\sqrt{8x+6}\right)^2 = \left(3\sqrt{2x-1}\right)^2$$

$$8x+6 = 9(2x-1)$$

$$8x+6 = 18x-9$$

$$-10x = -15$$

$$x = \frac{15}{10} = \frac{3}{2} \quad \checkmark \text{ SOLUCIÓN}$$

COMPROBACIÓN

$$\sqrt{8x+6} - 3\sqrt{2x-1} = 0$$

$$\sqrt{8 \cdot \frac{3}{2} + 6} - 3\sqrt{2 \cdot \frac{3}{2} - 1} =$$

$$\sqrt{12+6} - 3\sqrt{3-1} =$$

$$\sqrt{18} - 3\sqrt{2} = \sqrt{2 \cdot 3^2} - 3\sqrt{2} =$$

$$3\sqrt{2} - 3\sqrt{2} = 0$$