## Boxed equation

$$\sqrt{4x^2} - 1 = 0$$

$$\Rightarrow \sqrt{4}\sqrt{x^2} = 1$$

$$\Rightarrow 2|x| = 1$$

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

The final result is

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