ECUACIONES DE PRIMER GRADO

Problema 53:

$$3(\mathrm{x}-2)+\sqrt{2}\left(x-\sqrt{2}\right)-x\left(1-\sqrt{2}\right)=4x-8$$

Solución Problema 53:

$$3\mathrm{x}-6+x\sqrt{2}-\sqrt{2}\sqrt{2}-x+x\sqrt{2}=4x-8$$

$$3\mathrm{x}-6+x\sqrt{2}-\sqrt{2.2}-x+x\sqrt{2}=4x-8$$

$$3\mathrm{x}-6+x\sqrt{2}-\sqrt{4}-x+x\sqrt{2}=4x-8$$

$$3\mathrm{x}-6+x\sqrt{2}-2-x+x\sqrt{2}=4x-8$$

$$2\mathrm{x}-8+2x\sqrt{2}=4x-8$$

$$2\mathrm{x}-4\mathrm{x}+2x\sqrt{2}=-8+8$$

$$-2\mathrm{x}+2x\sqrt{2}=0$$

$$2\mathrm{x}(-1+\sqrt{2})=0$$

$$\mathbf{x}=\frac{0}{2(-1+\sqrt{2}\,)}=\ \mathbf{-0}$$