$$2sin45 + 2cos45$$

Answer.

$$\sin 45 = \cos 45 = \frac{1}{\sqrt{2}}.$$

Thus,

$$2sin45 + 2cos45 = 2 \cdot \frac{1}{\sqrt{2}} + 2 \cdot \frac{1}{\sqrt{2}} = \sqrt{2} + \sqrt{2} = 2\sqrt{2}.$$