

ΛΥΣΗ

α) Έχουμε

$$\text{i. } A = \frac{4}{\sqrt{2}} = \frac{4 \cdot \sqrt{2}}{\sqrt{2} \cdot \sqrt{2}} = \frac{4 \cdot \sqrt{2}}{2} = 2 \cdot \sqrt{2}$$

$$\text{ii. } B = \frac{6}{\sqrt{2}} = \frac{6 \cdot \sqrt{2}}{\sqrt{2} \cdot \sqrt{2}} = \frac{6 \cdot \sqrt{2}}{2} = 3 \cdot \sqrt{2}$$

β) Η τιμή της παράστασης είναι:

$$5A + 2B = 5 \cdot (2\sqrt{2}) + 2 \cdot (3\sqrt{2}) = 10\sqrt{2} + 6\sqrt{2} = 16\sqrt{2}.$$