

total 6 puntos.

Guía 1  
Ejercicio 12, ítem I.

$$\begin{aligned}\left(\frac{\sqrt{18}-2\sqrt{2}}{\sqrt{2}}\right)^2 &= \left(\frac{\sqrt{9 \cdot 2} - 2\sqrt{2}}{\sqrt{2}}\right)^2 \\ &= \left(\frac{3\sqrt{2} - 2\sqrt{2}}{\sqrt{2}}\right)^2 = \left(\frac{\sqrt{2}}{\sqrt{2}}\right)^2 = 1\end{aligned}$$

Ejercicio 9, ítem II.

$$\begin{aligned}\frac{21}{5\sqrt[3]{7}} &= \frac{21}{5\sqrt[3]{7}} \cdot \frac{\sqrt[3]{7^2}}{\sqrt[3]{7^2}} = \frac{21\sqrt[3]{7^2}}{5 \cdot \cancel{7}} = \frac{3}{5} \sqrt[3]{7^2} \\ &= \frac{3}{5} \sqrt[3]{49}\end{aligned}$$