EJERCICIO MIBE 2047:

Simplificar:

$$\frac{1}{2}\sqrt{28} - \frac{2}{5}\sqrt{63} + \frac{1}{8}\sqrt{175} =$$

28 | 2	63 | 3	175 | 5
14 | 2	21 | 3	35 | 5
7 | 7	7 | 7	7 | 7
1	1	1

$$= \frac{1}{2}\sqrt{2^2 \cdot 7} - \frac{2}{5}\sqrt{3^2 \cdot 7} + \frac{1}{8}\sqrt{5^2 \cdot 7} =$$

$$= \frac{1}{2} \cdot 2\sqrt{7} - \frac{2 \cdot 3}{5}\sqrt{7} + \frac{5}{8}\sqrt{7} =$$

$$= \left(1 - \frac{6}{5} + \frac{5}{8}\right)\sqrt{7} =$$

$$= \frac{40 - 48 + 25}{40}\sqrt{7} = \boxed{\frac{17}{40}\sqrt{7}}$$