

(Simplificación de raíces)

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tarea 5

1) $\sqrt[10]{1,296^0}$

$\boxed{6 \mid 4}$

$\frac{10}{40} = \frac{5}{20} = \frac{1}{4}$

$\sqrt[4]{1296} = 6$

2) $\sqrt[5]{100,000^5}$

$\boxed{100,000 \mid 10}$

$\frac{5}{5} = 1$

3) $\sqrt[3]{24,380^0}$

$\boxed{10 \mid 7}$

4) $\sqrt{274}$

$\boxed{44 \mid 54}$

5) $\sqrt[36]{4,096^a}$

$\boxed{8 \mid 15}$

$\frac{9}{36} = \frac{3}{12} = \frac{1}{4}$

$\sqrt[4]{4,096} = 8$

6) $\sqrt[10]{4^{25}}$

$\boxed{15 \mid 32}$

$\frac{25}{10} = \frac{5}{2}$

$\sqrt[2]{4^5} = 32$

$$7) \sqrt[3]{2197} \quad \boxed{130} \quad \boxed{2197}$$

$$8) 40\sqrt{32768} \quad \boxed{768}$$

$$9) \sqrt[4]{1216} \quad \boxed{144} \quad \boxed{4}$$

$$\frac{16}{8} = \frac{8}{4} = \frac{4}{2} = \frac{2}{1} \quad \sqrt{12^2} = 144$$

$$10) \sqrt{867} \quad \boxed{07} \quad \boxed{0}$$

$$11) \sqrt{254} \quad \boxed{125} \quad \boxed{625}$$

$$12) 56\sqrt{2187^{24}} \quad \boxed{3} \quad \boxed{27}$$

$$\frac{24}{56} = \frac{12}{28} = \frac{6}{14} = \frac{3}{7} \quad \sqrt[3]{2187} = 27$$