Tarea 3

① $\sqrt[3]{72 t^{18} w^{7}}$

$2 t^{6} w^{5} \sqrt[3]{9 w^{2}}$

72
$36 \quad 2$
$18 \quad 4$
$9 \quad 8$

② $\sqrt[8]{z^{5}}$

$z^{5/8}$

③ $\sqrt{9 y^{12}}$

$3 y^{6}$

④ $\left(x^{3/10} \right)^{2}$

$x^{6/10} = x^{3/5}$

⑤ $\sqrt[4]{8 y^{5}} \cdot \sqrt[4]{10 y^{6}}$

$\sqrt[4]{80 y^{11}} = 2 y^{2} \sqrt[4]{5 y^{3}}$

80
$40 \quad 2$
$20 \quad 4$
$10 \quad 8$
$5 \quad 16$

⑥ $\sqrt{12 x^{7} y^{8}}$

$2 x^{3} y^{4} \sqrt{3 x}$

12
$6 \quad 2$
$3 \quad 4$

⑦ $u^{6/7} \cdot u^{1/2}$

$$u^{\frac{12+7}{14}} = \frac{19}{14}$$

⑧ $\left(a^{-5} \cdot c^{3/2}\right)^{1/4}$

$a^{-5/4} \cdot c^{3/8}$ $\dfrac{c^{3/8}}{a^{5/4}}$

⑨ $\sqrt{\sqrt{8}}$

$\sqrt[4]{}$

⑩ $\sqrt{20x^8}$

$2x^4\sqrt{5}$

20
10 2
5 4