

Precalculus

Day 2: Entry task

objective: I can Simplify Radicals

$$\begin{aligned} & \sqrt{72} \\ & \quad \swarrow \\ & \sqrt{2 \cdot 36} \\ & \quad \swarrow \quad \downarrow \\ & \sqrt{2 \cdot 2 \cdot 18} \\ & \quad \downarrow \quad \downarrow \quad \swarrow \\ & \sqrt{2 \cdot 2 \cdot 2 \cdot 9} \\ & \quad \downarrow \quad \downarrow \quad \downarrow \quad \swarrow \\ & \sqrt{2 \cdot 2 \cdot 2 \cdot 3 \cdot 3} \\ & \quad \underbrace{\hspace{1.5cm}} \quad \underbrace{\hspace{1.5cm}} \\ & 2 \cdot 3 \quad \sqrt{2} \\ & \boxed{6\sqrt{2}} \end{aligned}$$