

Precalculus :

Day 3 : Entry task

Objective : I can Simplify Radicals

$$\begin{array}{r} \sqrt[4]{160} \\ | \\ 2 \cdot 80 \\ | \wedge \\ 2 \cdot 2 \cdot 40 \\ | | \wedge \\ 2 \cdot 2 \cdot 2 \cdot 20 \\ | | | \wedge \\ 2 \cdot 2 \cdot 2 \cdot 2 \cdot 10 \\ | | | | \wedge \\ \rightarrow \sqrt[4]{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 5} \end{array}$$

$$2 \sqrt[4]{2.5}$$

$$\boxed{2 \sqrt[4]{10}} = 3.556$$

$$(160)^{\frac{1}{4}} = (160)^{.25} =$$

$$3.556$$

$$\begin{array}{r} \sqrt{-16X^2} \\ | \\ \sqrt{-4 \cdot 4 \cdot X \cdot X} \\ | \quad | \\ 4 \cdot X \sqrt{-1} \\ | \\ 4X \sqrt{-1} \\ | \\ 4Xi \end{array}$$