

Precalculus:

Day 1: Entry task

Objective: I can isolate the variable and solve

$$\begin{array}{r} 10 - 5a^2 = 5 \\ -10 \quad \quad -10 \\ \hline -5a^2 = -5 \\ \frac{-5a^2}{-5} = \frac{-5}{-5} \\ \sqrt{a^2} = \sqrt{+1} \end{array}$$

$$\boxed{a = \pm 1}$$

$$\begin{array}{l} (-1)(-1) = +1 \\ (+1)(+1) = +1 \end{array}$$