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An Inverse Trig Problem

Rewrite the following problem

$$\sin\left(\cos^{-1}\frac{2}{3}\right)$$

Question 1 *Multiple Choice:*

(a) If $\cos\theta = \dfrac{2}{3}$, find $\sin\theta$ ✓

(b) If $\sin\theta = \dfrac{2}{3}$, find $\cos\theta$

(c) If $\sin\theta = \dfrac{2}{3}$, find θ

(d) If $\cos\theta = \dfrac{3}{2}$, find $\sin\theta$

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Learning outcomes: