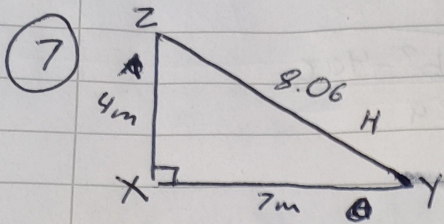


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4 of 4



$$a^2 + b^2 = c^2$$

$$4^2 + 7^2 = 65 \quad \sqrt{65} = 8.06 \text{ m}$$

i) angle Y

$$\Rightarrow \cos(x) = \frac{7}{8.06} \Rightarrow 0.868 \dots$$

$$\Rightarrow x = \cos^{-1}(0.868) = \boxed{29.74^\circ} \quad 2 \text{ DP}$$

ii) Angle Z

$$\Rightarrow \cos(x) = \frac{4}{8.06} \Rightarrow 0.496 \dots$$

$$\Rightarrow x = \cos^{-1}(0.496 \dots) = \boxed{60.25^\circ} \quad 2 \text{ DP}$$

iii) $a^2 + b^2 = c^2$

$$4^2 + 7^2 = 65 \quad \sqrt{65} = \boxed{8.06 \text{ M}} \quad 2 \text{ DP}$$

8 i) $\sqrt[3]{x} \Rightarrow \boxed{x^{\frac{1}{3}}}$

ii) $1 = \boxed{x^0}$