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6) Simplify the following as far as possible

$$5(2x^2 - y^2) - x^2(x^2 - y) - x^2y - x^4$$

$$5(2x^2) + 5(-y^2) + -x^4 + x^2y + -x^2y + -x^4$$

$$10x^2 + -5y^2 + -x^4 + x^2y + -x^2y + -x^4$$

$$-x^4 - x^4 + 10x^2 - 5y^2$$

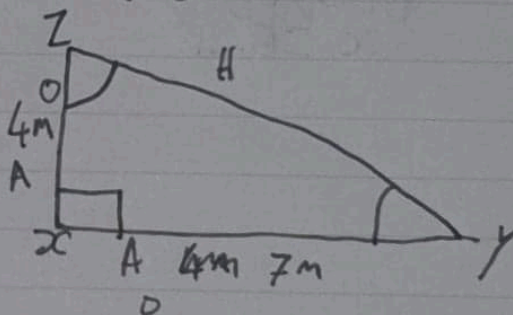
7) In the following right angled triangle if XZ is 4 meters and XY is 7 meters Calculate

i) angle Y

$$\tan y = \frac{4}{7}$$

$$y = \tan^{-1}\left(\frac{4}{7}\right)$$

$$y = 29.74^\circ$$



ii)

Angle Z

$$90 + 29.74 = 119.74$$

$$180 - 119.74 = 60.26^\circ$$

$$Z = 60.26^\circ$$

iii) Angle X