

6.

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

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

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

8.

$$i) \sqrt[3]{x} = x^{\frac{1}{3}}$$

$$ii) 1 = x^0$$

$$3y = 39 - 30$$

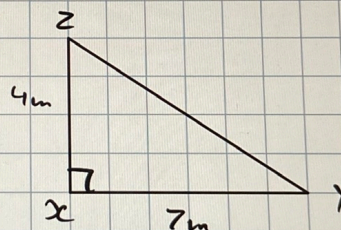
$$3y = 9$$

$$y = 3$$

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7.

i) Angle Y ii) Angle Z iii) YZ using Pythagoras' theorem



2. dp

$$i) \tan Y = \frac{4}{7}$$

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

$$Y = 29.74^\circ$$

$$ii) 180^\circ - 90^\circ - 29.74^\circ = Z$$