

MAGDY BKHEET

Simultaneous equations

①

$$5x + 3y = 39$$

$$8x - 2y = 42$$

$$10x + 6y = 78 \rightarrow$$

$$24x + 6y = 126$$

$$34x = 204$$

$$\therefore x = \frac{204}{34} \quad \therefore x = \underline{6}$$

$$5(6) + 3y = 39$$

$$30 + 3y = 39 \quad \therefore 3y = 39 - 30$$

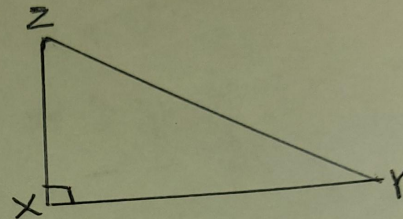
$$\therefore 3y = 9 \quad y = \frac{9}{3}$$

$$y = \underline{3}$$

(i) Angle «Y»

(ii) Angle «Z»

(iii) Angle Length (YZ)



XZ is 4 metres and XY is 7 metres

$$XY = 7$$

$$XZ = 4$$

(2)

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

$$(1) \quad \sqrt[3]{x}$$

$$\therefore x = 0$$

(2) 1

$$\therefore 1 = 0$$