

3:00AM ACHA3000

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$$\times 8 \quad 5x + 3y = 39 \quad (1)$$

$$\times 5 \quad 8x + 2y = 42 \quad (2)$$

$$40x + 24y = 312 \quad (3) - (4)$$

$$40x + 10y = 210 \quad (4)$$

$$34y = 102$$

$$y = \frac{102}{34}$$

$$y = 3 \rightarrow (1)$$

$$5x + 3(3) = 39$$

$$5x + 9 = 39$$

$$5x = 39 - 9$$

$$5x = 30$$

$$x = \frac{30}{5}$$

$$x = 6$$

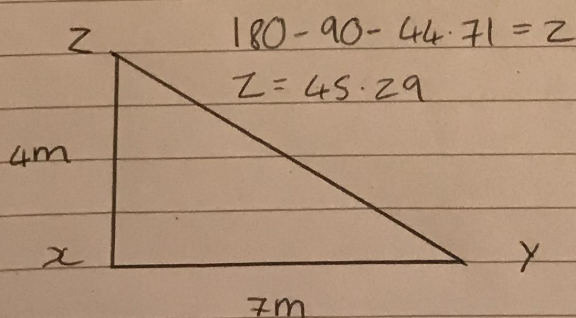
$$5(2x^2 - y^2) - x^2(x^2 - y) - x^2y - x^4$$

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

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

$$8x^2 - 5y^2 - x^4$$

$$7x^2 - 5y^2$$



$$\tan x = \frac{4}{7} = 0.00.99$$

$$x = \tan^{-1}(0.00.99)$$

$$x = 44.71$$

$$y = 44.71$$

$$(YZ)^2 = (7)^2 + (4)^2$$

$$(YZ)^2 = 49 + 16$$

$$(YZ)^2 = 65$$

$$(YZ)^2 = \sqrt{65}$$

$$YZ = 8.06m$$