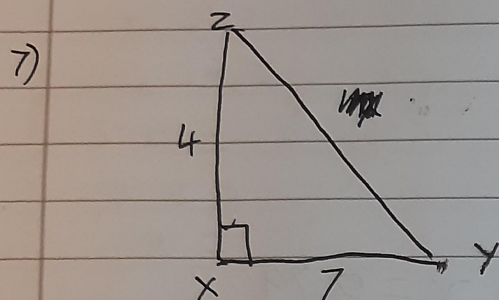
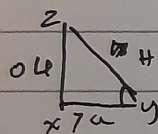


6) $5(2x^2 - y^2) - x^2(x^2 - y) - x^2y - x^4$
 ~~$10x^2 - 5y^2 - x^4 - x^2y + x^2y - x^4$~~ $10x^2 - 5y^2 - x^4 - x^2y + x^2y - x^4$
 $10x^2 - 5y^2 - x^4 - x^4$ $10x^2 - 5y^2 + 10x^5$



i) angle y

$\sin \theta \quad \cos \theta \quad \tan \theta$



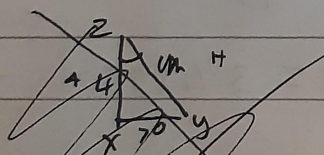
$y = \tan^{-1} \left(\frac{4}{7} \right) = \left(\frac{4}{7} \right)$

$y = 29.74^\circ$

~~$y = \sin^{-1} \left(\frac{4}{7} \right)$~~
 ~~$y = 34.85^\circ$~~

to 2 decimal places.

ii) Angle z



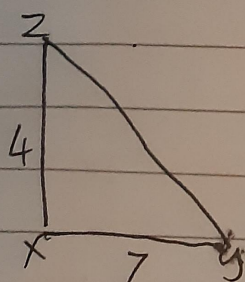
$z = \tan^{-1} \left(\frac{7}{4} \right)$

$z = 60.26^\circ$

~~$z = \cos^{-1} \left(\frac{4}{7} \right)$~~
 ~~$z = 55.15^\circ$~~

to 2 decimal places.

iii) Length of YZ



$YZ^2 = (XY)^2 + (XZ)^2$

$YZ^2 = (4)^2 + (7)^2 = 65$

$\sqrt{65} = 8.06$

$YZ = 8.06$