

6). i) $10p^3q^2 - 5p^2q + 15p^4q$

$5p^2q - 10p^3q^2 + 10p^2pq - 5p^2q + 15p^2p^2p$

i) $\frac{5pq(2p^2q - p + 3p^3)}{2x^2y - 4xy^2}$

$x^2y - xxy, xy^2 = xyy$

$= 2xxy - 4xyy$

$= 2xxy + 2 2xyy$

$= 2xy(x-y)$

7)

~~7)~~

$\cos x = \frac{550}{700}$

$\cos x = 0.78571$

$x = \cos^{-1}(0.78571)$

$x = 38.21$

$\boxed{\text{Angle } Y = 38.21}$

~~7)~~ $\tan 51.79 = \frac{550}{x2}$

$x2 = \frac{550}{\tan 51.79}$

$=$

$x2 = \frac{550}{1.27032}$

$=$

$\boxed{\text{Depth Height} = 432.96}$

$x2 = 432.6m$