

$$5) \quad \begin{aligned} 6x + 5y &= 35 & \textcircled{1} \quad \times 4 \\ 7x - 4y &= 31 & \textcircled{2} \quad \times 5 \end{aligned}$$

$$\begin{aligned} 24x + 20y &= 140 \\ 35x - 20y &= 155 \\ \hline 59x &= 295 \end{aligned}$$

$$\frac{295}{59} = 5$$

$$\boxed{x = 5}$$

$$6x(30) + 5y = 35 \quad 35 - 30 = 5$$

$$5y = 5 \quad \boxed{y = 1}$$

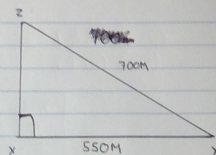
$$6) \quad 10p^3q^2 - 5p^2q + 15p^4q$$

$$\boxed{5p^2q(2p^2 - 1 + 3p^2)}$$

$$ii) \quad 2x^2y - 4xy^2$$

$$2xy(x - 2y)$$

7)



$$\cos^{-1} \left(\frac{\text{Adjacent}}{\text{Hypotenuse}} \right) = \frac{550}{700} = \frac{11}{14} = 0.7857$$

$$700^2 = \text{Height of building}^2 + \text{Hypotenuse}^2$$

$$700^2 = \text{ " }^2 + 550^2$$

$$700^2 - 550^2 = 11^2$$

$$\sqrt{700^2 - 550^2} = 433$$

$$\boxed{433m}$$

$$ii) \quad \cos^{-1} \left(\frac{550}{700} \right) = \boxed{38.21^\circ}$$