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Using equation 1:

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

$$30 + 3y = 39$$

$$3y = 39 - 30$$

$$3y = 9$$

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

$$y = 9$$

$$6) 5(2x^2 - y^2) - x^2(x^2 - y) - x^2y - x^4$$

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

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

7)

$$i) \tan y = \frac{4}{7}$$

$$= 0.5714$$

$$y = \tan^{-1} 0.5714$$

$$y = 29.7^\circ$$