

⑥

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

$$= 10x^2 - 5y^2 - x^4 + x^2y - \cancel{x^2y} - x^4 = \underline{\underline{10x^2 - 5y^2 - 2x^4}}$$

⑦

$$a^2 + b^2 = c^2$$

$$c^2 = 4^2 + 7^2$$

$$c^2 = 16 + 49$$

$$c^2 = 65$$

$$c = \sqrt{65}$$

$$YZ = \sqrt{65}$$

$$I) \quad \sin \alpha = \frac{4}{\sqrt{65}}$$

$$\cos \alpha = \frac{7}{\sqrt{65}}$$

$$\operatorname{tg} \alpha = \frac{4}{7}$$

$$II) \quad \sin \beta = \frac{7}{\sqrt{65}}$$

$$\cos \beta = \frac{4}{\sqrt{65}}$$

$$\operatorname{tg} \beta = \frac{7}{4}$$