

三、計算與證明題簡答

1. (1) $\frac{1}{2}$ (2) $\frac{\sqrt{2}}{2}$

2. (1) $(5, 0)$ (2) $-2\sqrt{3} < y_0 < 2\sqrt{3}$ (3) $\frac{14\sqrt{7}}{3}$