

習題集 3 簡答

(對應 [張旭微積分](#) 極限篇重點三：一些基本函數的極限)

底下為參考的 δ 取法：

$$1. \delta = \min\left\{1, \frac{\varepsilon}{15}\right\}.$$

$$2. \delta = \frac{\varepsilon}{4}.$$

$$3. \delta = \varepsilon.$$

$$4. \delta = \min\left\{1, \frac{\varepsilon}{3}\right\}.$$

$$5. \delta = \min\left\{\frac{1}{6}, \frac{2\varepsilon}{5}\right\}.$$

$$6. \delta = \min\left\{1, \frac{2}{3}\varepsilon\right\}.$$

$$7. \delta = \min\{\pi, \varepsilon\}$$

$$8. \delta = \min\left\{\frac{\pi}{12}, \frac{\varepsilon}{2}\right\}$$

$$9. \delta = \min\left\{\frac{\pi}{2}, \frac{\varepsilon}{2}\right\}$$

註 [文哥](#)有拍攝偶數題的講解影片，有需要的同學可以連接到張旭老師YT頻道的[播放清單](#)觀看！

