

## 習題集 2 簡答

(對應 [張旭微積分](#) 極限篇重點二：極限的嚴格定義)

底下為參考的  $\delta$  取法：

1.  $\delta = \frac{\varepsilon}{5}$ .

2.  $\delta = 5\varepsilon$ .

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

4.  $\delta = \sqrt{\varepsilon}$ .

5.  $\delta = \min\{1, 2\varepsilon\}$ .

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

7.  $\delta = \min\{1, \sqrt{3\varepsilon}\}$ .

8.  $\delta = \min\{\frac{1}{9}, \frac{\varepsilon}{3}\}$ .

9.  $\delta = \min\{1, \frac{\varepsilon}{7}\}$

10.  $\delta = \min\{1, \varepsilon\}$