

習題集 5

(對應 [張旭微積分](#) 微分應用篇重點五：漸近線)

1. $x = 2 \pm \sqrt{3}$.

2. $y = 0$.

3. $y = x$.

4. Horizontal: $y = -1$; Vertical: $x = \pm\sqrt{3}$.

5. Horizontal: $y = 0$; Vertical: $x = -3.0861\dots$, $x = -0.42801\dots$, and $x = 1.5141\dots$.

6. Horizontal: $y = 5$; Vertical: $x = \pm 2$.

7. $a = -1$, $b = -\frac{3}{2}$.

8. $a = 1$, $b = -4$.

9. $a = 1$, $b = -1$.

10. $a = -1$, $b = -\frac{3}{2}$.