

### 3.1 Derivatives of Polynomials and Exponential Functions

填充題

1. Let  $f(x) = \begin{cases} -x^2 + 4x - 3, & \text{if } x \leq \frac{5}{2} \\ ax + b, & \text{if } x > \frac{5}{2} \end{cases}$ . If  $f$  is a **differentiable** function on  $\mathbb{R}$ ,

then  $(a, b) = \underline{\hspace{2cm}}$ .

Ans:  $\left(-1, \frac{13}{4}\right)$  [100 學年度]