

Max. Marks: 4

Questions: 1

Q.1 Let $f(x) = \int \left(\frac{16x+24}{x^2+2x-15} \right) dx$. If $f(4) = 14 \log_e(3)$ and $f(7) = \log_e(2^\alpha \cdot 3^\beta)$, $\alpha, \beta \in \mathbb{N}$, then $\alpha + \beta$ is equal to

(1) 31 (2) 37 (3) 39 (4) 41

Scan or tap for the full solution

[illegible]