## 

## 1 Introduction

integration . ALL CAPITAL LETTERS ARE CONSTANTS OF INTEGRATION.

## 2 answers

- $3. \ 0.1\dot{6}$
- 14.  $\frac{\pi}{2} \ln(7971)$
- 15.  $\frac{x+1}{1+\tan(0.5x)}$
- 17.  $\frac{2.25-\sqrt{3}}{6} \cdot \pi 2$
- 20.  $0.5x\sqrt{x^2-1} 0.5\operatorname{arccosh}(x) + C$
- 27.  $\frac{\pi}{2b}e^{ba}$
- 30. big fat 0.