

Math 2300 Calculus 2, Fall 2018  
Quiz 1

1. Find the following integrals:

(a)

$$\int \frac{x+2}{\sqrt{x^2+4x}} dx$$

(b)

$$\int x\sqrt{x+3} dx$$

(c)

$$\int \frac{\sqrt{\ln(x)}}{x} dx$$

2. If  $\int_0^4 f(x)dx = 10$ , find  $\int_0^2 f(2x)dx$ .