

MATH 6 – QUIZ 4
2 MARCH 2012

Name: _____

NO CALCULATORS

1. Compute the following definite integral.

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

2. Solve the following differential equation.

$$\frac{dy}{dx} = y\sqrt{x} + 2y$$