

Math 2250 Quiz 10

Name

Points will be deducted for untidy or disorganized answers

1. (2 points) Find

$$\int \left(\frac{1}{x} + \frac{4}{x^2} + 7 \cos 3x \right) dx.$$

2. (3 points) Find the curve $y = f(x)$ that satisfies the following properties:

(i) $\frac{d^2y}{dx^2} = 6x$

- (ii) Its graph passes through the point $(0, 1)$ and has a horizontal tangent there.