

Math 266, Section A
Professor Lieberman
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PRACTICE EXAM #2 ANSWERS

1. $y = 2xe^{3x}$.

2. 484

3. The equation is exact. The solution of the differential equation is

$$e^x \sin y + 2y \cos x = C.$$

4. $y = c_1 e^{-4x} \cos 3x + c_2 e^{-4x} \sin 3x$.