

MATH 3250, SECTION 301

QUIZ 7

04/03/2017

Honor Pledge: On my honor as a student, I have neither given nor received aid on this quiz.

Name:

Signature:

- (1) Write the system in the form $\mathbf{X}' = \mathbf{A}\mathbf{X}$ for appropriate choices of \mathbf{A} and \mathbf{X} and find the general solution.

$$\frac{dx}{dt} = x, \frac{dy}{dt} = 3x - 2y.$$

(6)