# QUIZ 3 SPRING 2009 MAT 127 LECTURE 1 

## Name: <br> SB ID:

1. Solve the following differential equations.
(a) $x y^{\prime}=5 y \quad$ (find general solution)
(b)

$$
y^{\prime}=\frac{2 \sin x}{y^{2}} \quad \text { with initial condition } \quad y(0)=3
$$

