# MA 262 Section 596/597 Quiz 1 

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Problem 1. Write your name and section number at the top of a full sized sheet of paper.
Problem 2. Find a function $y=f(x)$ satisfying the differential equation and initial condition

$$
\frac{d y}{d x}=\frac{1}{\sqrt{x+5}}, \quad y(4)=-1
$$

Problem 3. Find the position and velocity of an object moving along a straight line with the given acceleration, initial velocity, and initial position

$$
a(t)=-48, \quad v(0)=60, \quad s(0)=10
$$

