Math 240 - Quiz 3

September 23, 2021

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary. This quiz is due September 28.

1. (2.5 points) Solve: $y^2 y' + 2xy^3 = 6x$

2. (2.5 points) Solve: $(x^2 - y^2)y' = 2xy$

3. (2.5 points) Solve: $\quad y'' = (x + y')^2$

4. (2.5 points) Solve: $\quad y'' = 2yy'$