Math 132 - Quiz 1

Name _____

January 23, 2020

Score _____

Show all work to receive full credit. Supply explanations when necessary. This quiz is due no later than 3:15pm on January 28.

1. (5 points) Find the total combined area of the bounded regions between the graphs of $y = x^4 - 9x^2$ and $y = x^3 - 9x$.

2. (5 points) Find the total combined area of the bounded regions between the graphs of $y + y^3 = x$ and $2y = x$.