Math 106 Honors (Quiz 7) **Name** _____.

1. (10 points) Find the area of the region bounded by the curves $y = x^2 + 3$ and $y = 5x - 3$.

2. (10 points) Find the volume of the solid of revolution obtained by rotating the region bounded by the curves $y = x^{\frac{1}{3}}$, $x = 1$, $x = 8$, and $y = 0$ about the x-axis.