

## Quiz 2

Name: \_\_\_\_\_

1. Find the length of the curve given by the parametric equations  $x = t^2$ ,  $y = t^3$ , for  $0 \leq t \leq 1$ .

2. The diagram shows the circles  $r = 1$  and  $r = 2 \sin \theta$ . Find the area of the shaded region.