

Quiz #7

Directions: Carefully read each question below and answer to the best of your ability in the space provided. You **MUST** show your work to receive full credit!

1. (5 points) Find $\frac{dy}{dx}$ of $xy^2 + 2y + 3x = 4$.

2. (5 points) Two trains leave a station at 1:00 PM. One travels north at 65 mph and the other travels east at 45 mph. How fast is the distance between the two trains changing at 4:00 PM? (**Hint:** Draw a picture)

Name: _____

Section (circle one): 003 004

Question:	1	2	Total
Points:	5	5	10
Score:			