

# Quiz - Topic Name

Course Name

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

Date: \_\_\_\_\_

**Instructions:** Answer all questions. Show your work for full credit. Time limit: 20 minutes.

1. **(5 points)** Multiple Choice: What is  $2 + 2$ ?

- (a) 3
- (b) 4
- (c) 5
- (d) 6

2. **(10 points)** True or False: The derivative of  $x^2$  is  $2x$ .

3. **(15 points)** Short Answer: Solve for  $x$ :

$$3x + 7 = 22$$

4. **(20 points)** Show your work: Evaluate the integral:

$$\int_0^1 2x \, dx$$

5. **(10 points)** Explain in one sentence: What is the Pythagorean theorem?