

NAME (please print legibly): _____

- You should not need a calculator for any part of this quiz.
- This quiz is due Monday, November 17 at 12:55pm. No quizzes will be accepted after class begins on Monday.

1. Find all x that satisfy the equation

$$5 \tan(2x - 1) + 1 = 4$$

2. Find all solutions to

$$\frac{1}{2} \sin^2(2x) - \frac{5}{2} \sin(2x) = -\frac{3}{2} + \frac{1}{2} \cos^2(2x)$$