

Name _____

- No calculators allowed.
- Show sufficient work to justify each answer.
- You have 15 minutes for this quiz.

1. (2 points) Is the following function even, odd or neither?

$$g(x) = (3x^2 + \cos^5 x)^7$$

2. (2 points) What is the domain of the function $f(x) = \sqrt{5 - \sqrt{2x - 1}}$?

3. (2 points each) Evaluate the following quantities.

(a) $\cot(-2\pi/3)$

(b) $\tan^2(\pi/7) - \sec^2(\pi/7)$

4. (2 points) Given an acute angle θ for which $\sin \theta = 4/5$, evaluate $\sin(\theta - \pi/2)$.