

Math 132 - Quiz 7

October 12, 2022

Name _____

Score _____

Show all work to receive full credit. Supply explanations when necessary. This quiz is due October 17.

1. (3 points) Evaluate the indefinite integral: $\int \sqrt{5 + 2x^2} dx$

2. (2 points) Evaluate the indefinite integral: $\int \frac{x dx}{\sqrt{4 - x^2}}$

Turn over.

3. (3 points) Evaluate the indefinite integral: $\int \sqrt{2x - x^2} dx$
(Hint: Complete the square.)

4. (2 points) Evaluate the indefinite integral: $\int \frac{8x - 1}{x^2 - x - 2} dx$