## Math 16A SLO #1 — Derivatives and Antiderivatives

Computation of derivatives and antiderivatives.

1) Compute the derivative: 

2) Find the general antiderivative: 

RUBRIC:

Each problem is worth 10 points.

Solutions:

1)

 or 

There are three applications of the power rule. Recognizing the correct power from the radical form before differentiating, 1 point (for all 3 terms, no partial credit). Getting correct coefficient (including sign), 2 points for each term. Getting correct power, 1 point for each term.

2)

 or 

There are three applications of the power rule for antidifferentiation. Follow the same guidelines as for problem 1, no penalty for not using absolute value or failing to include the arbitrary constant.