

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

MATH 200 – QUIZ 12 ♪

I'm in the Thurs11 Thurs12 Thurs1 or Fri10 recitation. (Circle one)

November 29, 2012

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1.  $\sum_{k=2}^3 5 =$

2.  $\sum_{k=2}^3 5k =$

3. Using the definition of the definite integral and the integral symbol, write out the integral that finds area under the curve  $y = \ln(x^3)$  from  $x = 1$  to  $x = e$ . Do not compute the integral.

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1.  $\sum_{k=2}^4 2 =$

2.  $\sum_{k=2}^4 2k =$

3. Using the definition of the definite integral and the integral symbol, write out the integral that finds area under the curve  $y = e^x$  from  $x = 0$  to  $x = \ln(4)$ . Do not compute the integral.

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1.  $\sum_{k=2}^5 4 =$

2.  $\sum_{k=1}^3 4k =$

3. Using the definition of the definite integral and the integral symbol, write out the integral that finds area under the curve  $y = \sin(\pi x)$  from  $x = 0$  to  $x = \pi$ . Do not compute the integral.

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1.  $\sum_{k=3}^7 3 =$

2.  $\sum_{k=1}^4 3k =$

3. Using the definition of the definite integral and the integral symbol, write out the integral that finds area under the curve  $y = e^{2x}$  from  $x = 0$  to  $x = \ln(2)$ . Do not compute the integral.