

# Math 2215 - Calculus 1

Quiz #21 - 2017.12.01

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

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Express the volume of the region bounded by  $P(x) = 3x^2 - 5x - 2$  and  $Q(x) = 2x^2 - 6x$  revolved around the line  $y = 20$  as an integral. You do not have to evaluate the integral.