MAT 152 QUIZ 2

Name: _____ **Section:** 514 (3:55-4:45)
515 (5:30-12:20)

This quiz has 4 questions of equal value. 2 points will be given for a correct answer, 1 for mostly correct work (if shown), 0 otherwise.

1. Find the area between the curve $y = -(x+4)^2$ and the x-axis for x between -1 and 2.

   Answer: _____

2. Find the area of the region bounded by the curve $y = (x-3)^2$ and line $y = x - 3$.

   Answer: _____

3. Find the area bounded by the curve $y = \ln(x^2)$, the y-axis, and the lines $y = 2$ and $y = 6$.

   Answer: _____

4. Find the volume of a solid whose base is a circle of radius 3 and the cross-sections perpendicular to the base are squares.

   Answer: _____

1