Present neatly ~~on separate paper~~. Justify for full credit. No Calculators.

Name _____   Score _____ A (5 minutes)

1)

Find the area of the region bounded by the parabola $y = x^2$, the tangent line to this parabola at $(1, 1)$, and the x-axis.

Present neatly ~~on separate paper~~. Justify for full credit. No Calculators.

Name _____   Score _____ F (5 minutes)

1)

Find the values of c such that the area of the region bounded by
the parabolas $y = x^2 - c^2$ and $y = c^2 - x^2$ is 576.