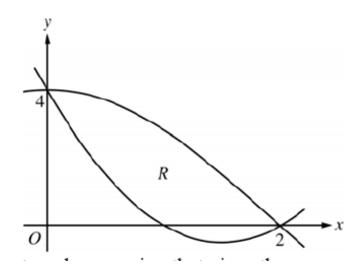
Monday Warm_up CAB: February 15th 2016.

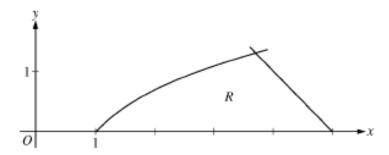
Question 1: No Calculator



Let $f(x) = 2x^2 - 6x + 4$ and $g(x) = 4\cos(\frac{1}{4}\pi x)$. Let R be the region bounded by the graphs of f and g, as shown in the figure above.

(a) Find the area of R.

Question 2: Use Calculator



Let R be the region in the first quadrant bounded by the x-axis and the graphs of $y = \ln x$ and y = 5 - x, as shown in the figure above.

(a) Find the area of R.