37. $f(x) = e^x - 1;\ [-1, 2]$

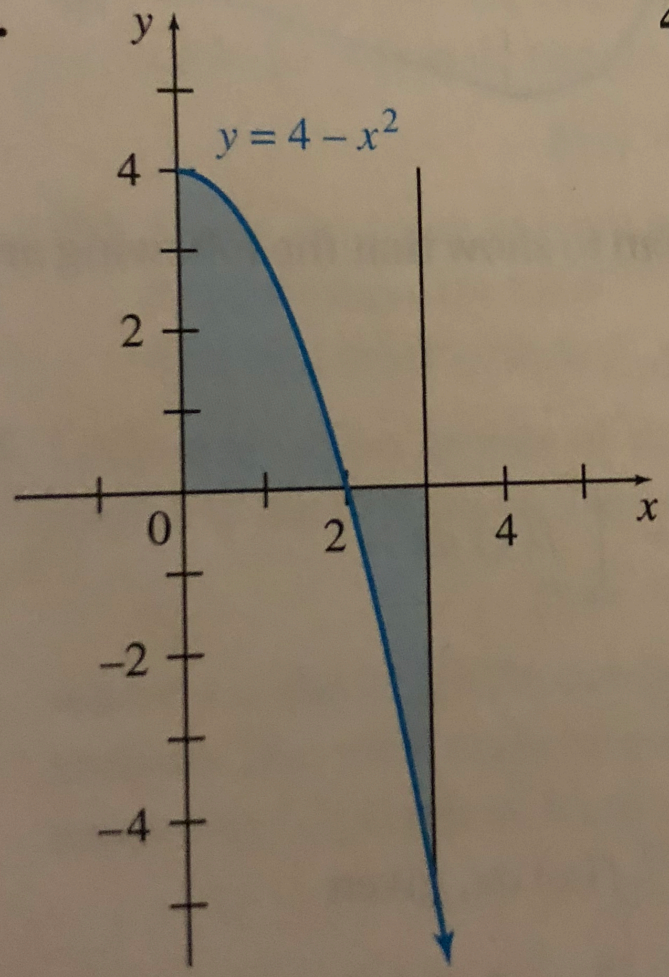
38. $f(x) = 1 - e^{-x};\ [-1, 2]$

39. $f(x) = \frac{1}{x} - \frac{1}{e};\ [1, e^2]$

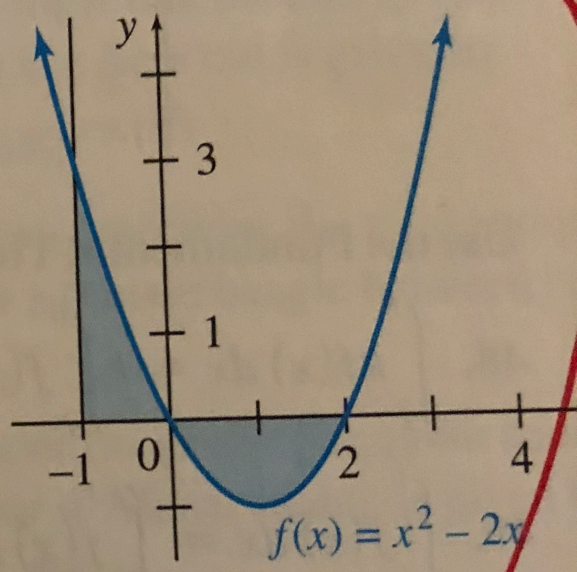
40. $f(x) = 1 - \frac{1}{x};\ [e^{-1}, e]$

Find the area of each shaded region.

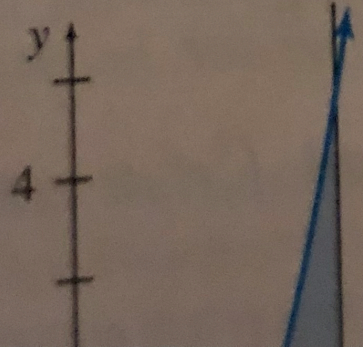
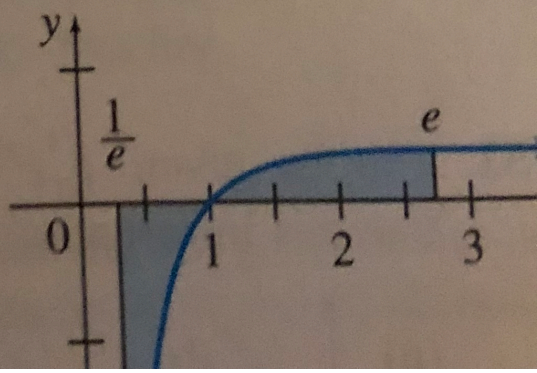
41.



42.



43.



44.