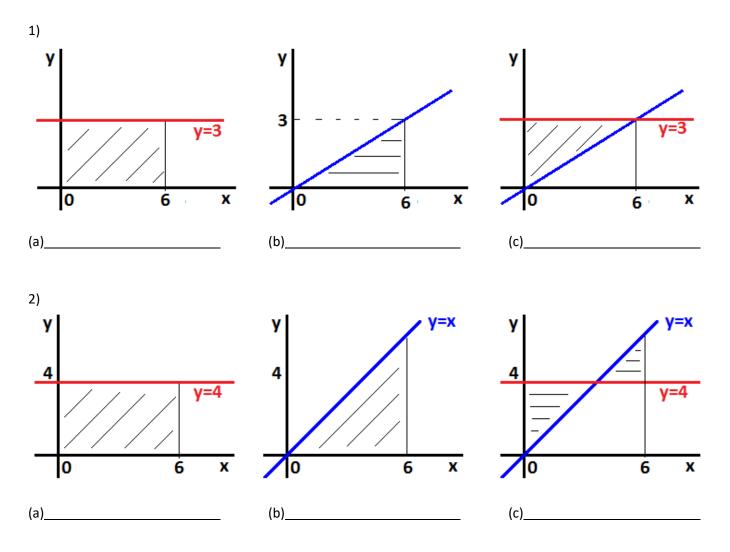
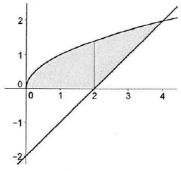
§5.4 Area between Curves

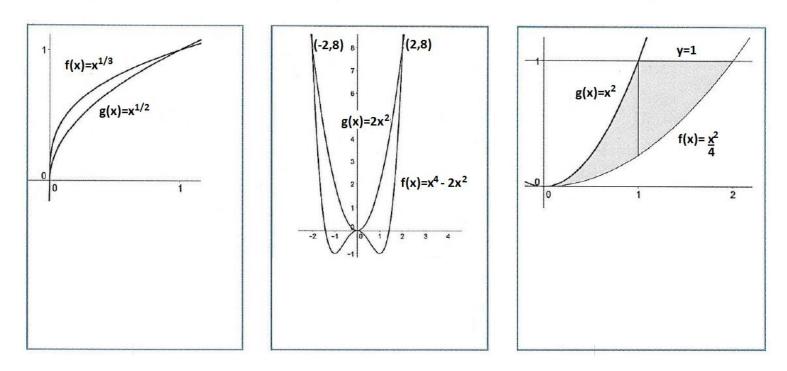
Part (a) & (b): Write and evaluate an integral for the area under the curve Part (c): Write and evaluate an integral for the area between the curves.



Example #5: Integrating with respect to y.

Find the area of the region R in the first quadrant that is bounded above by $y = \sqrt{x}$ and below by the x-axis and the line y = x - 2.





Practice: Set up at least two different definite integrals to find the area of each enclosed region.

