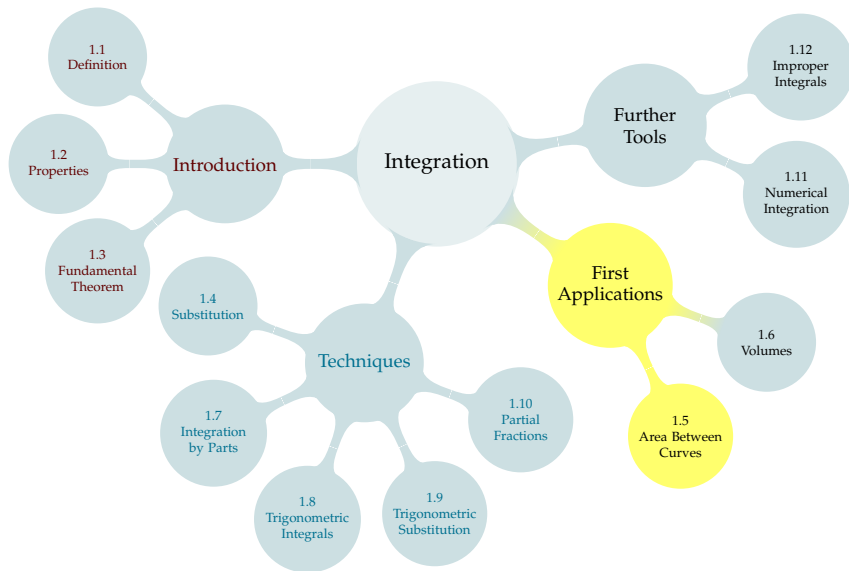
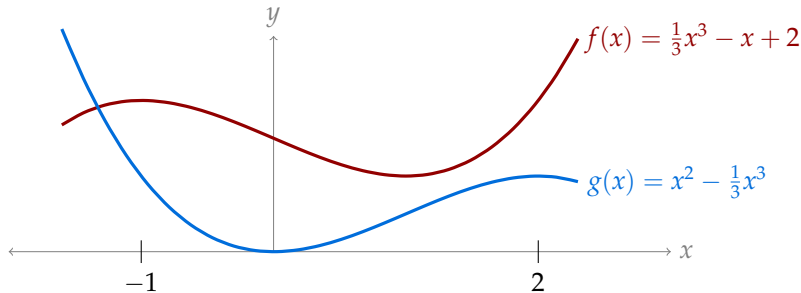


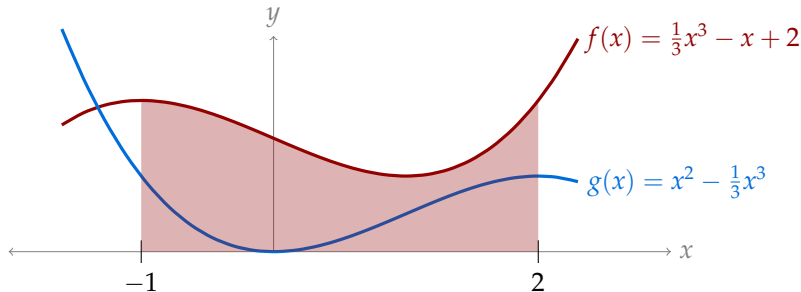
TABLE OF CONTENTS



Find the area between $f(x)$ and $g(x)$ from $x = -1$ to $x = 2$.

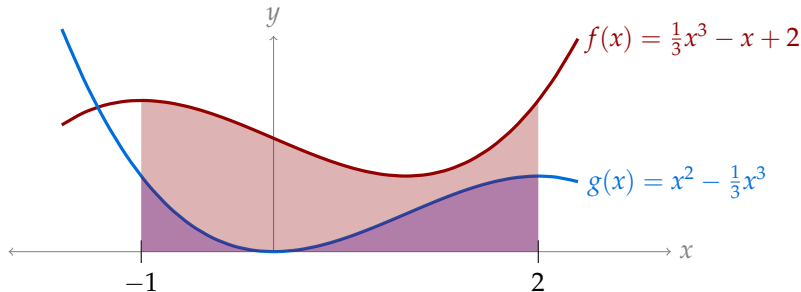


Find the area between $f(x)$ and $g(x)$ from $x = -1$ to $x = 2$.



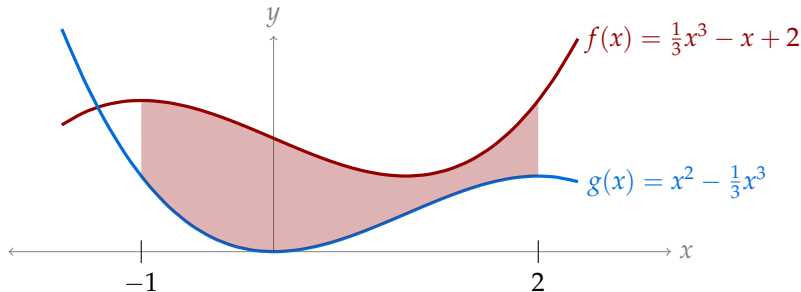
$$\int_{-1}^2 f(x) \, dx$$

Find the area between $f(x)$ and $g(x)$ from $x = -1$ to $x = 2$.



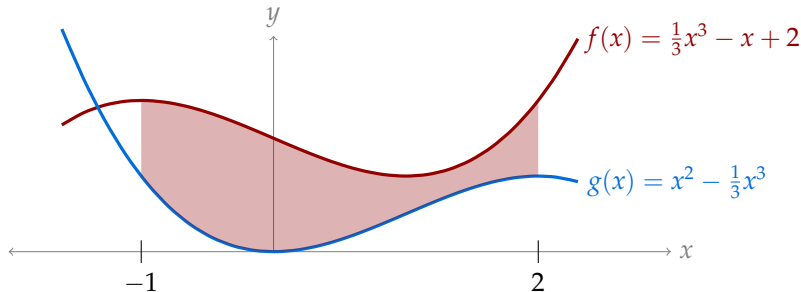
$$\int_{-1}^2 f(x) \, dx \quad \int_{-1}^2 g(x) \, dx$$

Find the area between $f(x)$ and $g(x)$ from $x = -1$ to $x = 2$.



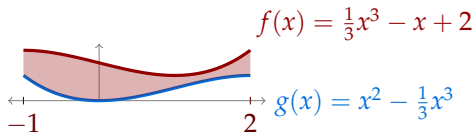
$$\int_{-1}^2 f(x) \, dx - \int_{-1}^2 g(x) \, dx$$

Find the area between $f(x)$ and $g(x)$ from $x = -1$ to $x = 2$.



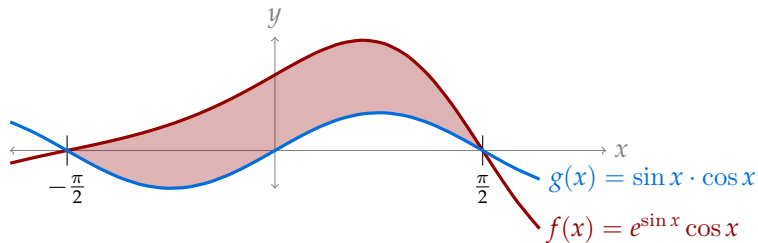
$$\int_{-1}^2 f(x) \, dx - \int_{-1}^2 g(x) \, dx = \int_{-1}^2 [f(x) - g(x)] \, dx$$

Find the area between $f(x)$ and $g(x)$ from $x = -1$ to $x = 2$.

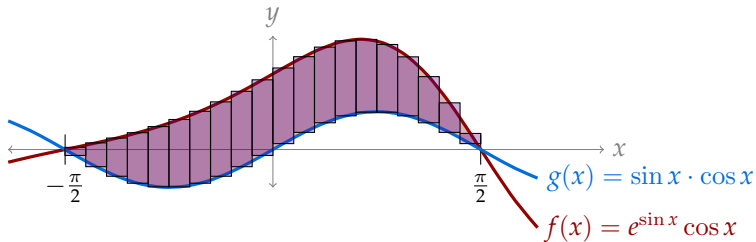


$$\int_{-1}^2 f(x) \, dx - \int_{-1}^2 g(x) \, dx = \int_{-1}^2 [f(x) - g(x)] \, dx$$

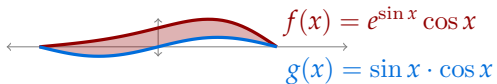
Find the (unsigned) area between $f(x)$ and $g(x)$ from $x = -\frac{\pi}{2}$ to $x = \frac{\pi}{2}$.



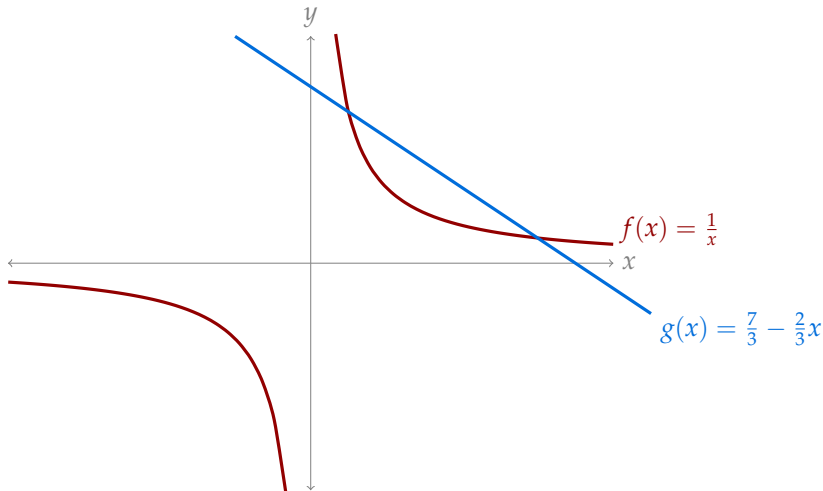
Find the (unsigned) area between $f(x)$ and $g(x)$ from $x = -\frac{\pi}{2}$ to $x = \frac{\pi}{2}$.



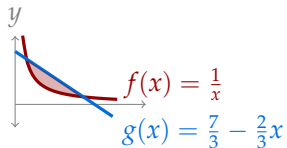
Find the (unsigned) area between $f(x)$ and $g(x)$ from $x = -\frac{\pi}{2}$ to $x = \frac{\pi}{2}$.



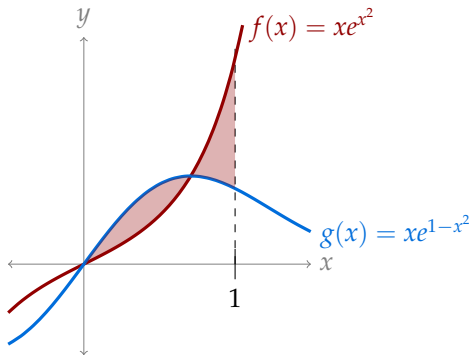
Find the (unsigned) area of the finite region bounded by $f(x)$ and $g(x)$.



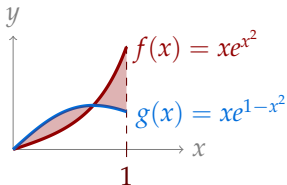
Find the (unsigned) area of the finite region bounded by $f(x)$ and $g(x)$.



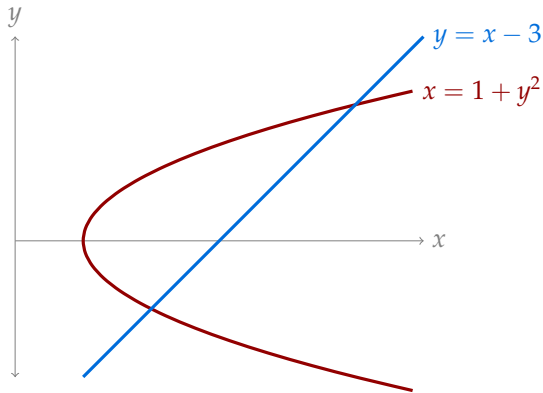
Find the (unsigned) area in the figure below between the curves $f(x)$ and $g(x)$ from $x = 0$ to $x = 1$.



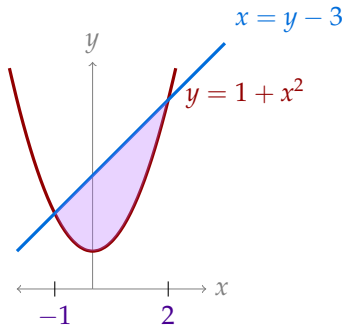
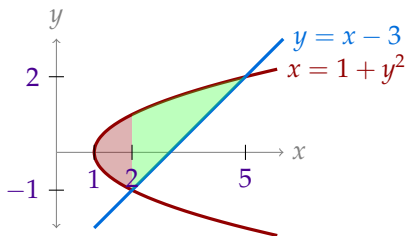
Find the (unsigned) area in the figure below between the curves $f(x)$ and $g(x)$ from $x = 0$ to $x = 1$.



Set up, but do not evaluate, integral(s) to find the (unsigned) area of the finite region bounded by $x = 1 + y^2$ and $y = x - 3$.



Set up, but do not evaluate, integral(s) to find the (unsigned) area of the finite region bounded by $x = 1 + y^2$ and $y = x - 3$.
Swapping x and y results in a figure with the same area.



Included Work



'Notebook' by [Iconic](#) is licensed under [CC BY 3.0](#) (accessed 9 June 2021, modified),

16



'Notebook' by [Iconic](#) is licensed under [CC BY 3.0](#) (accessed 9 June 2021), 6, 9, 11, 13