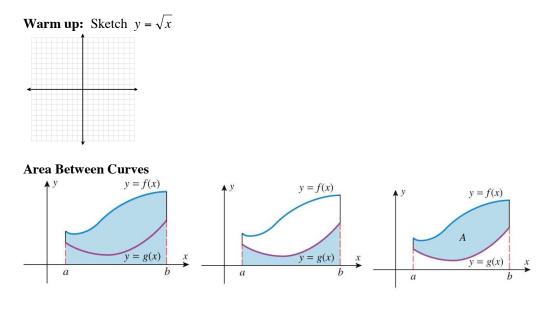
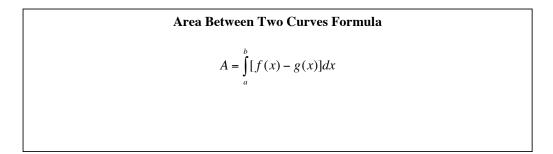
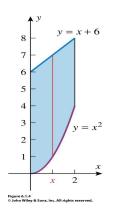
Area Between Two Curves (Calculus Section 6.1)



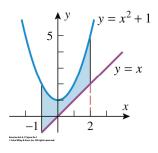


Example 1: Find the area of the region bounded above by y = x + 6, bounded below by $y = x^2$, and bounded on the sides by the lines x = 0 and x = 2.

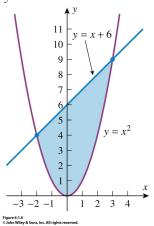


Area Between Two Curves (Calculus Section 6.1)

Practice Problem 1: Find the area of the shaded region.



Example 2: Find the area of the region that is enclosed between the curves $y = x^2$ and y = x + 6.



Practice Problem 2: Find the area of the shaded region.

