

Example 3: Find the area of the region bounded by $y = x^2$ and y = 2x + 3

Steps:

i) Find bounds: Find the point of intersection between the 2 graphs (by setting equations equal, & solving for x).

ii) Identify the top and bottom function

iii) Apply the Integral Area Formula.







Example 4: Find area of the region bounded by the equations on right:

Steps:

i) Find bounds: Find the point of intersection between the 2 graphs

(by setting equations equal, & solving for y).

ii) Identify the right and left function

iii) Apply the Integral Area Formula



