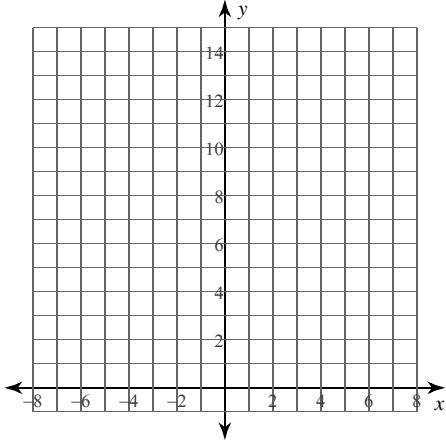


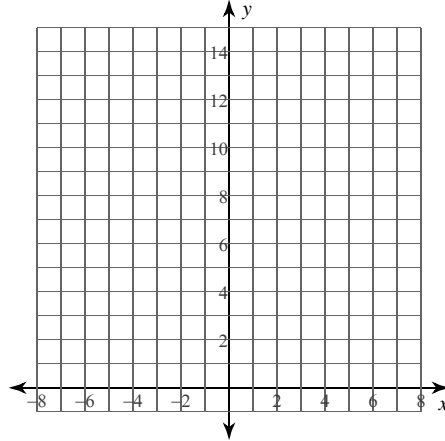
Calculus Practice: Riemann Sums 2b

For each problem, approximate the area under the curve over the given interval using 4 right endpoint rectangles. You may use the provided graph to sketch the curve and rectangles.

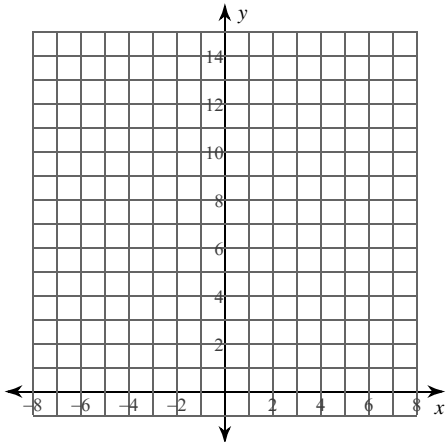
1) $y = x + 6$; $[1, 3]$



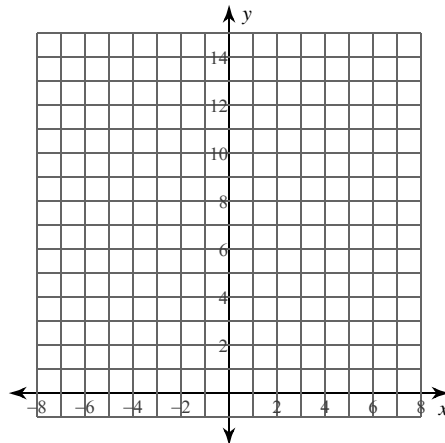
2) $y = -x + 5$; $[-1, 1]$



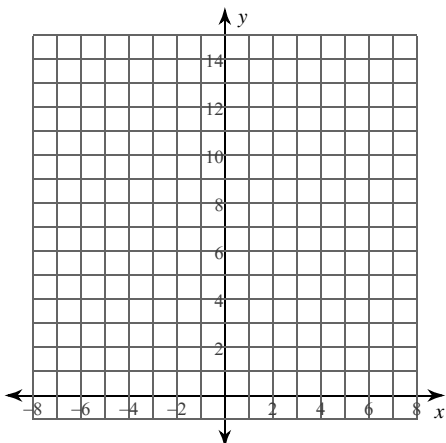
3) $y = x + 5$; $[2, 4]$



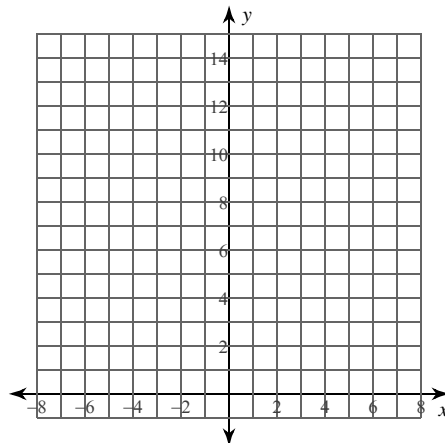
4) $y = -\frac{x}{2} + 4$; $[-7, -5]$



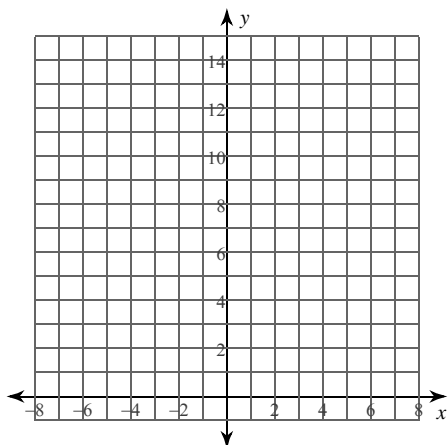
5) $y = \frac{x^2}{2} + x + 2$; $[-2, 2]$



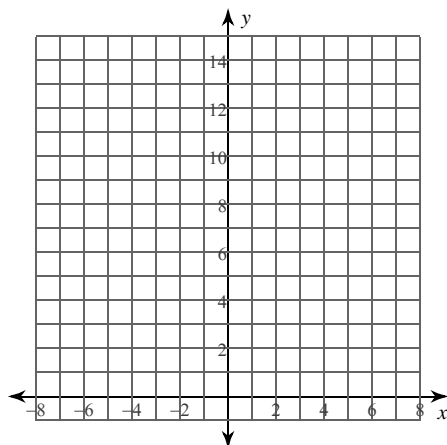
6) $y = x^2 + 2x + 4$; $[0, 2]$



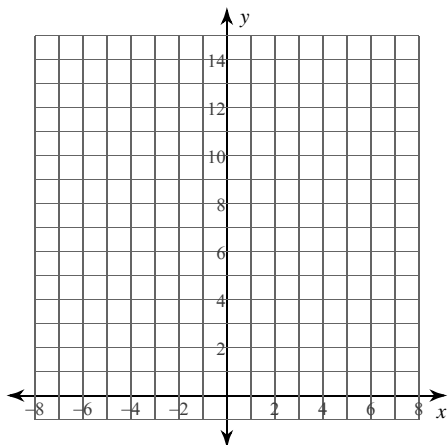
7) $y = -x^2 + 11$; $[-2, 0]$



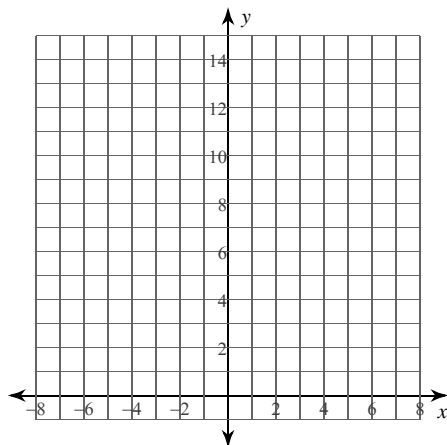
8) $y = x^2 + 2x + 2$; $[-3, -1]$



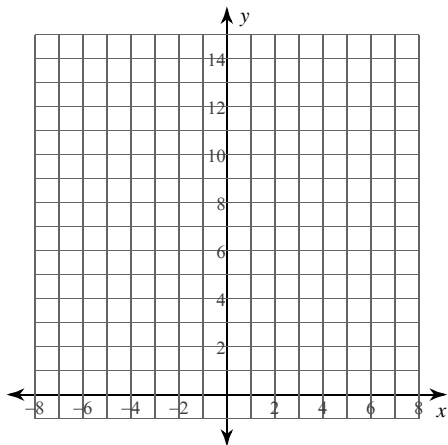
9) $y = -\frac{4}{x}$; $[-4, -2]$



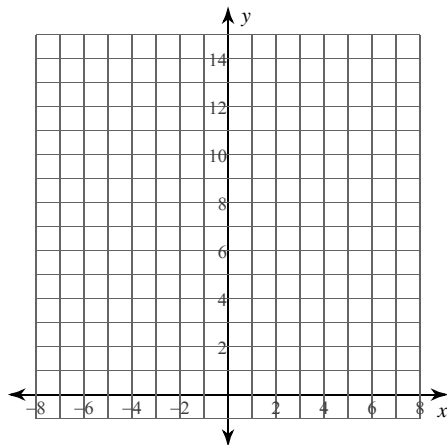
10) $y = -\frac{4}{x}$; $[-3, -1]$



11) $y = -\frac{3}{x}$; $[-5, -1]$



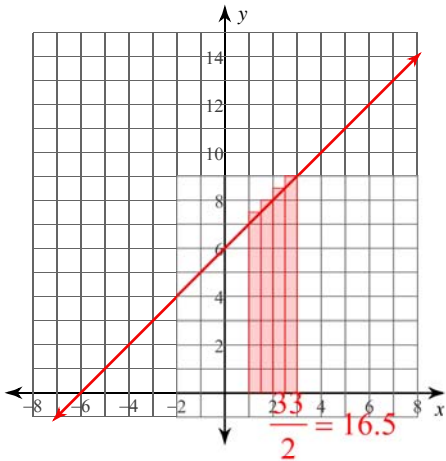
12) $y = \frac{2}{x}$; $[2, 4]$



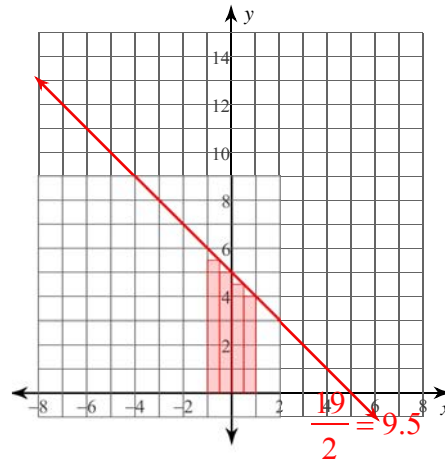
Calculus Practice: Riemann Sums 2b

For each problem, approximate the area under the curve over the given interval using 4 right endpoint rectangles. You may use the provided graph to sketch the curve and rectangles.

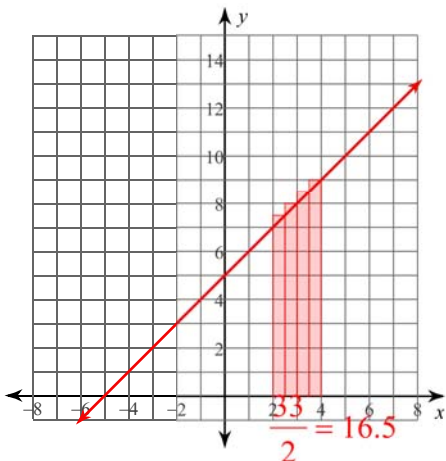
1) $y = x + 6$; $[1, 3]$



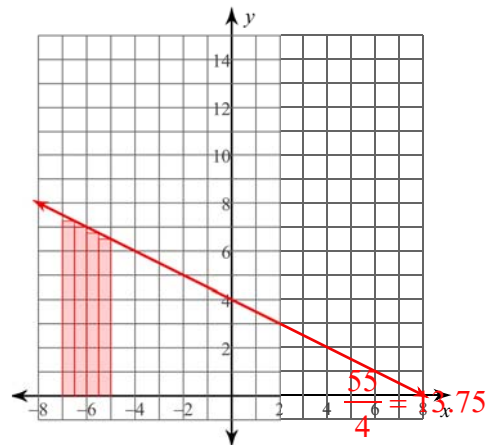
2) $y = -x + 5$; $[-1, 1]$



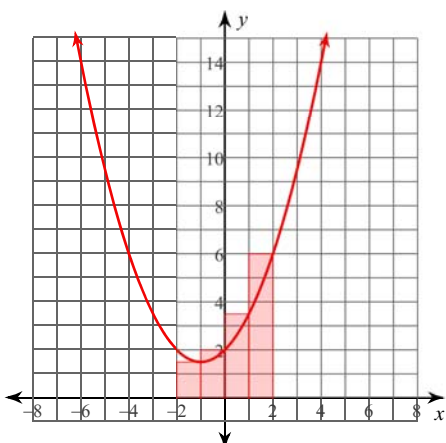
3) $y = x + 5$; $[2, 4]$



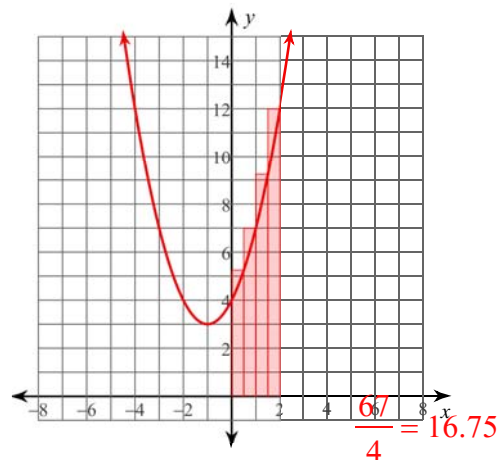
4) $y = -\frac{x}{2} + 4$; $[-7, -5]$



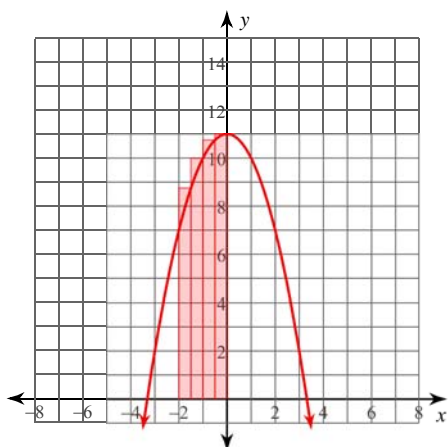
5) $y = \frac{x^2}{2} + x + 2$; $[-2, 2]$



6) $y = x^2 + 2x + 4$; $[0, 2]$

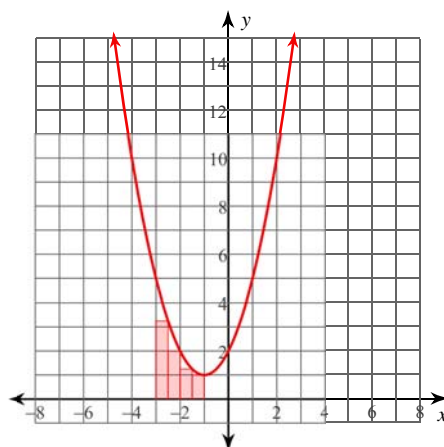


7) $y = -x^2 + 11$; $[-2, 0]$



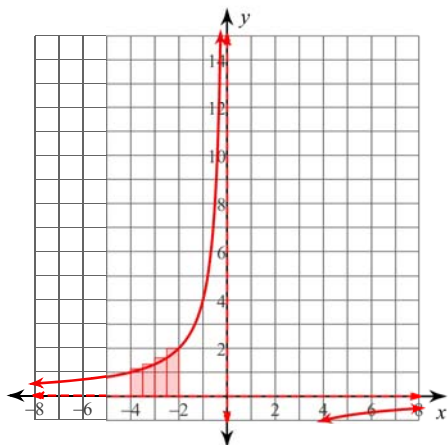
$$\frac{81}{4} = 20.25$$

8) $y = x^2 + 2x + 2$; $[-3, -1]$



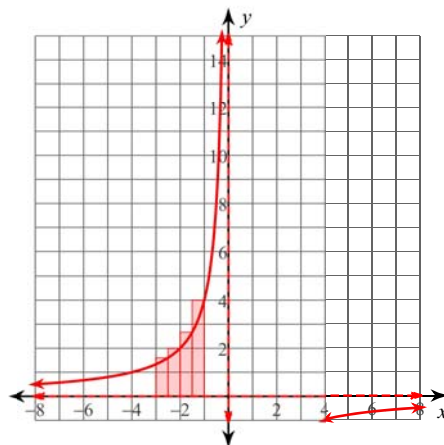
$$\frac{15}{4} = 3.75$$

9) $y = -\frac{4}{x}$; $[-4, -2]$



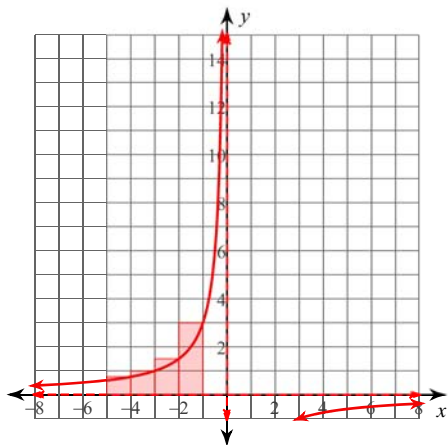
$$\frac{319}{105} \approx 3.038$$

10) $y = -\frac{4}{x}$; $[-3, -1]$



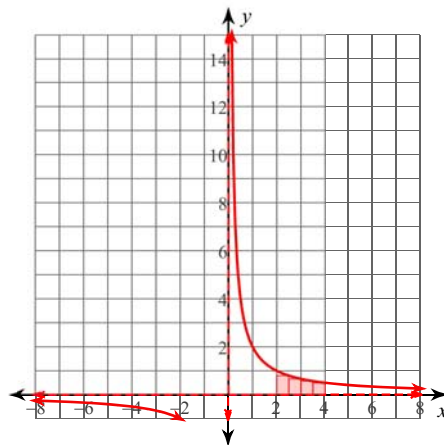
$$\frac{77}{15} \approx 5.133$$

11) $y = -\frac{3}{x}$; $[-5, -1]$



$$\frac{25}{4} = 6.25$$

12) $y = \frac{2}{x}$; $[2, 4]$



$$\frac{533}{420} \approx 1.269$$