

Precalc – Warm Up – 2/23/11

Name: _____ Period: _____

1) A car travels 55 miles per hour for an hour and then travels 70 miles per hour for 2 hours. How far did the car travel?

2) A car travels 60 miles per hour for 1.5 hours. How far did the car travel?

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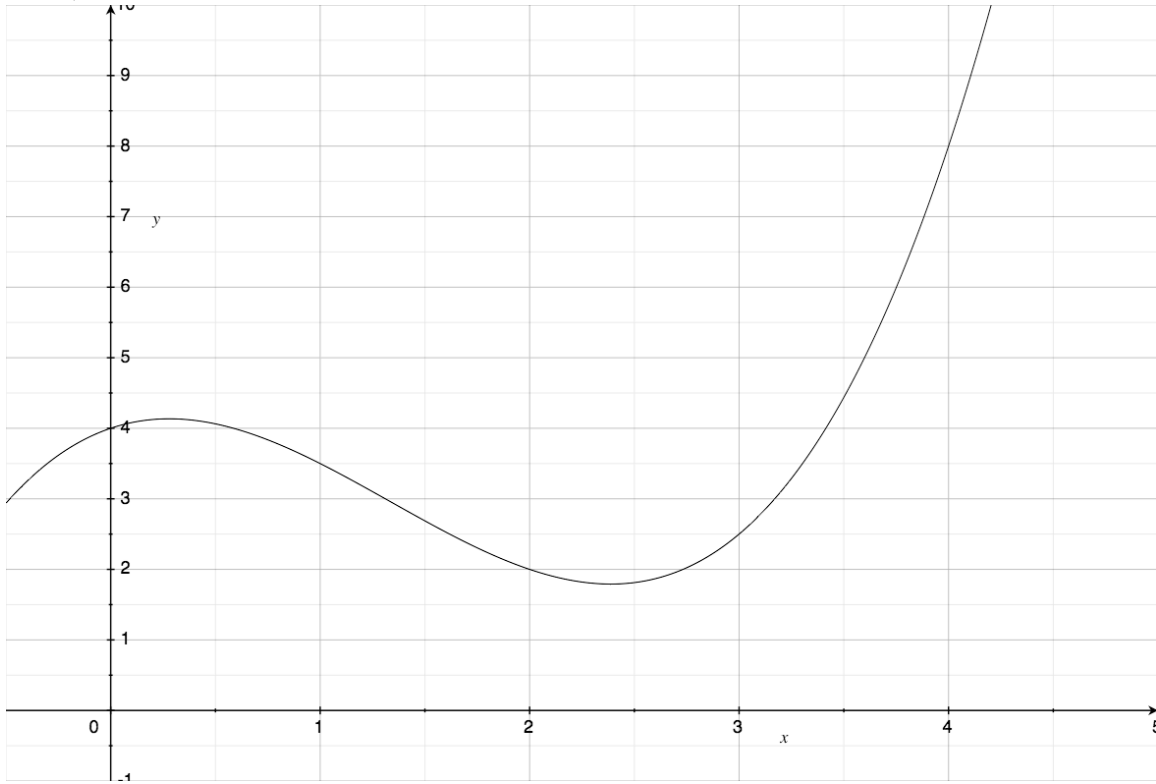
Precalc – Introduction to Riemann Sums – 2/23/11

Name: _____ Period: _____

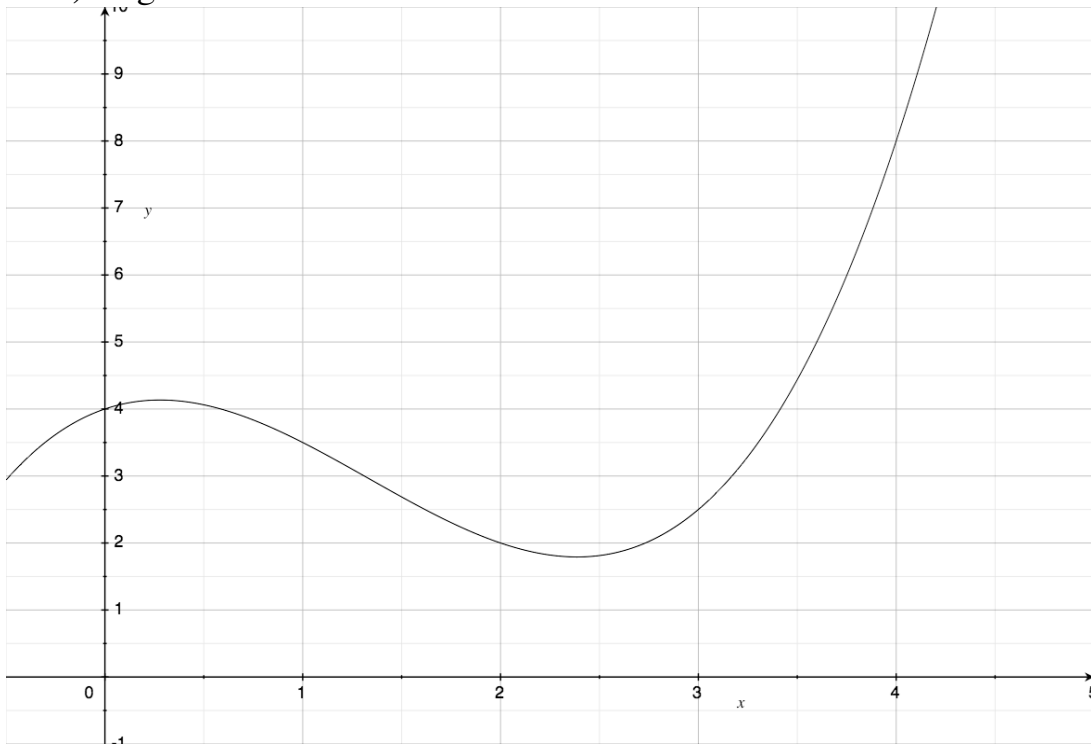
Students will be able to sketch and calculate right, left and midpoint Riemann sums given a graph

1) Notes

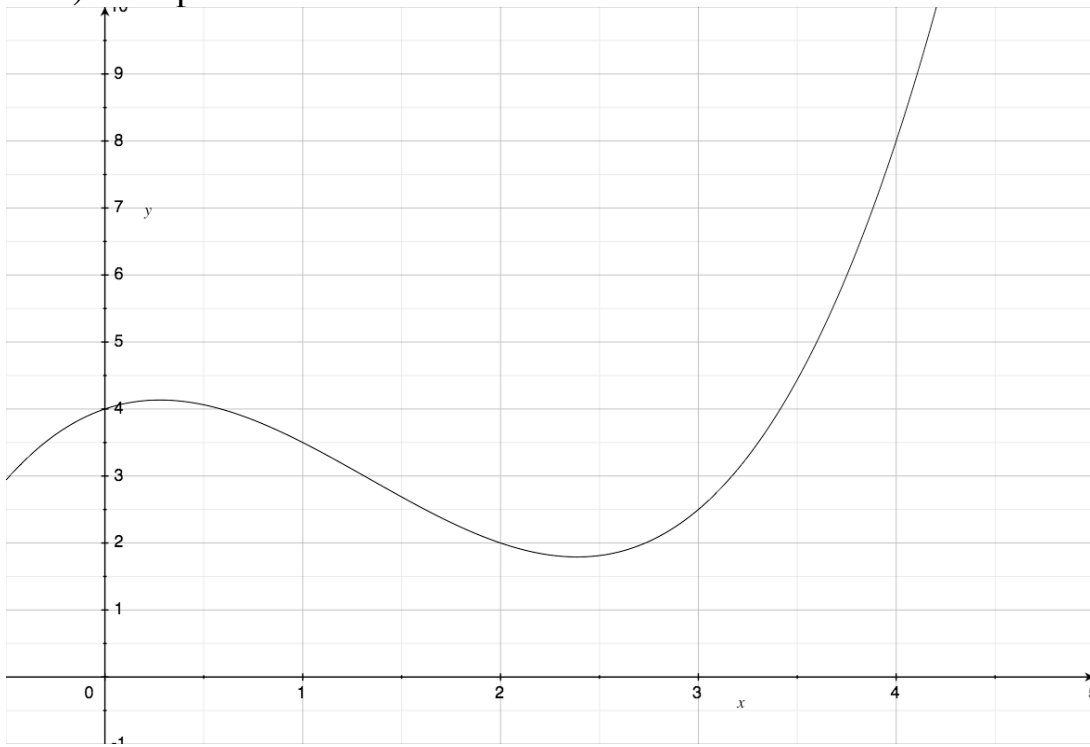
2) Left-hand Reimann sum:



3) Right-hand Reimann sum:

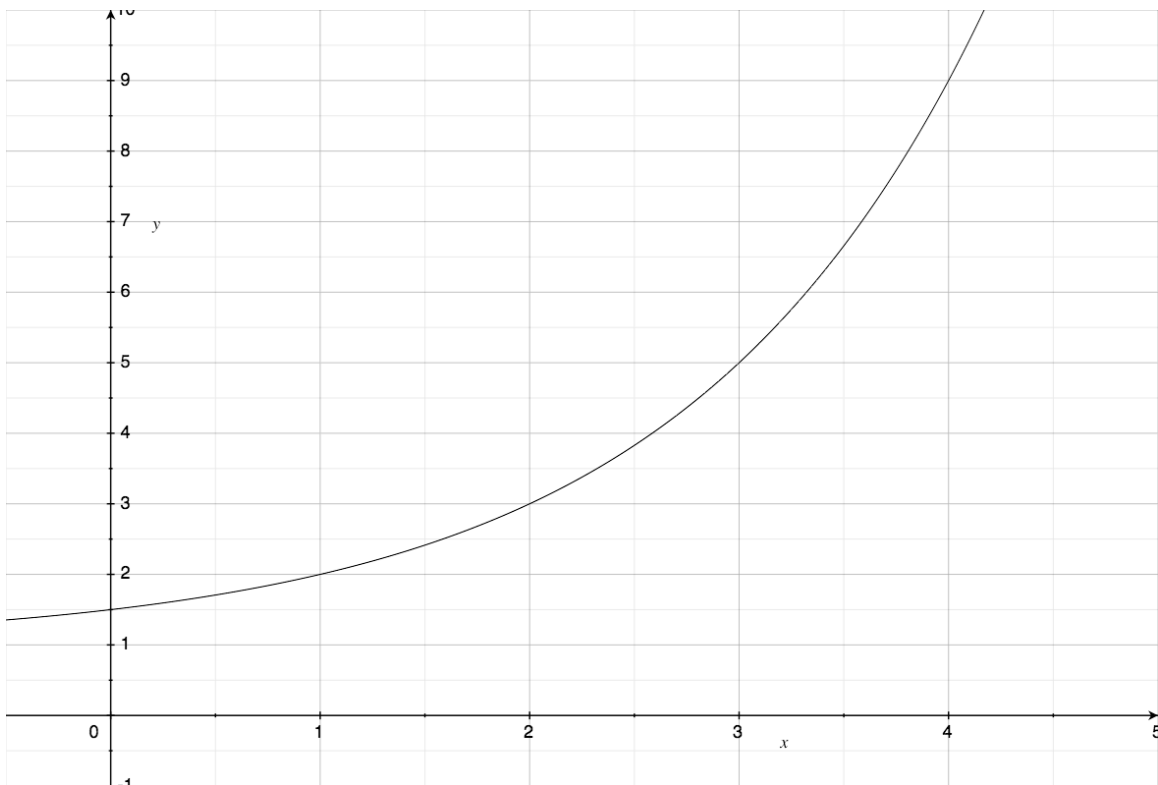


4) Mid-point Reimann sum:

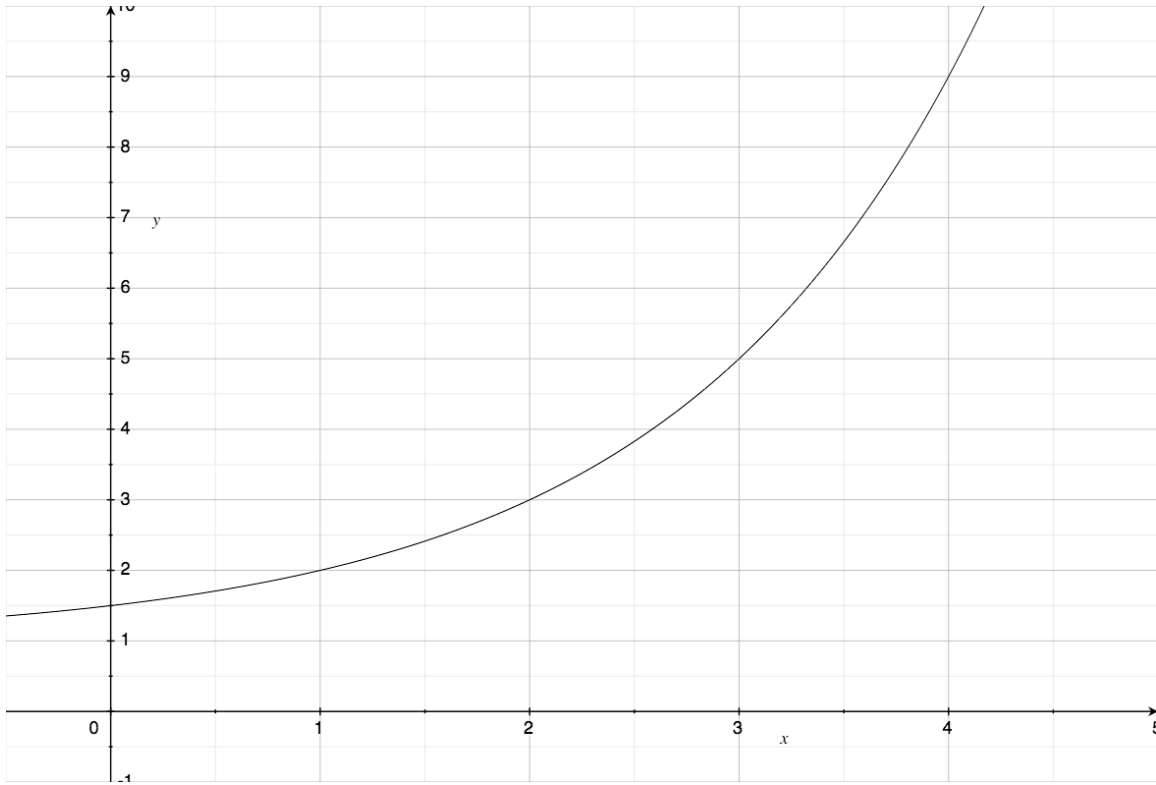


PRACTICE

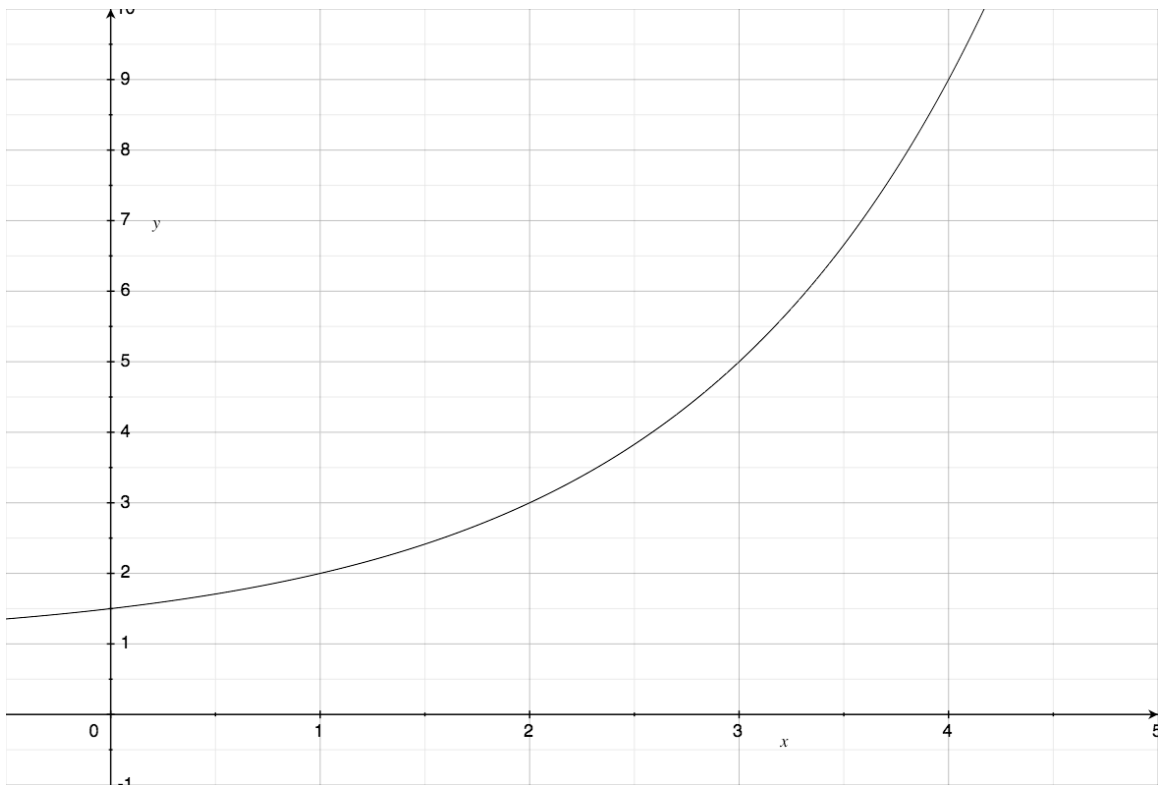
- 5) **Draw and calculate** a left-hand Riemann Sum on the following graph using 4 rectangles for the interval $0 \leq x \leq 4$



- 6) **Draw and calculate** a right-hand Riemann Sum on the following graph using 4 rectangles for the interval $0 \leq x \leq 4$



7) **Draw and calculate** a midpoint Riemann Sum on the following graph using 4 rectangles for the interval $0 \leq x \leq 4$



Precalc – Exit Slip – 2/23/11

Name: _____

Period: _____

Draw and calculate the Riemann Sum of your choice (left, right, midpoint)
but use **8 rectangles** on the interval $0 \leq x \leq 4$

