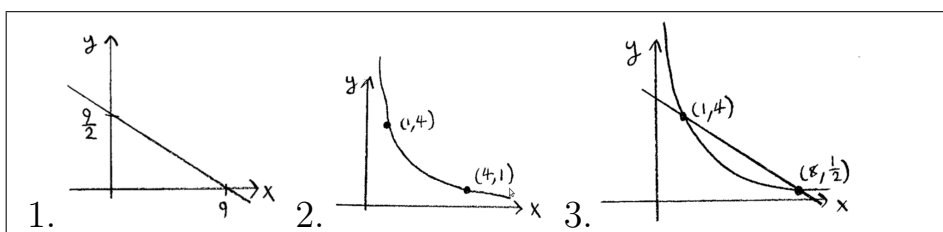


Quiz 8 Key — MA16020 — February 9, 2018

Alden Bradford

Min	Mean	Max
2	6.6	10

- (2 points) Sketch the curve $x + 2y = 9$, labeling the axes and the coordinates of the x and y intercepts.
- (2 points) On a new set of axes, sketch the curve $y = \frac{4}{x}$, giving the xy -coordinates of the points on the curve where $x = 1$ and where $x = 4$.
- (4 points) On a new set of axes, sketch the curves from parts 1 and 2 together, giving the xy -coordinates of the intersection points.



- (2 points) Write (do not evaluate) an integral which gives the area of the region enclosed by the curves.

$$\int_1^8 \frac{9-x}{2} - \frac{4}{x} dx$$