Name: _	Mark:
	Mini-math Div 3/4: Monday, November 21, 2022 (15 minutes)
that	his question, you do not need to simplify your answer. Find an integral (but do not evaluate) represents the volume of the solid whose base is the region R bounded by $y = x/2$ and $\sqrt{2x}$, if:
(a)	(2 points) cross-sections perpendicular to the x -axis are rectangles whose heights are twice their base.
(b)	(2 points) cross-sections perpendicular to the x -axis are right isosceles triangles whose hypotenuse lies on the base.
(c)	(2 points) cross-sections perpendicular to the y -axis are semi-circles.

- 2. In this question, you do not need to simplify your answer. Find an integral (but do not evaluate) that represents the volume of the solid of revolution if we revolve the region R bounded by y=x/2 and $y=\sqrt{2x}$:
 - (a) (2 points) about the x-axis.

(b) (2 points) about the y-axis.

(c) (2 points) about the line y = -1.

(d) (2 points) about the line x = 10.