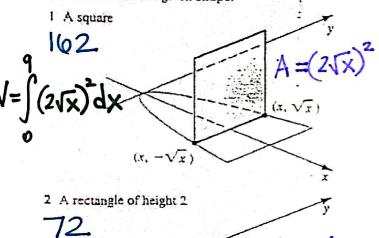
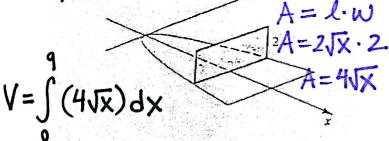
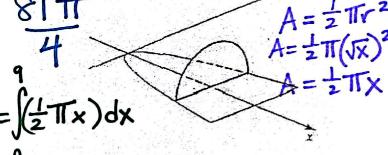
Exer. 1-8: Let R be the region bounded by the graphs of  $x = y^2$  and x = 9. Find the volume of the solid that has R as its base if every cross section by a plane perpendicular to the x-axis has the given shape.

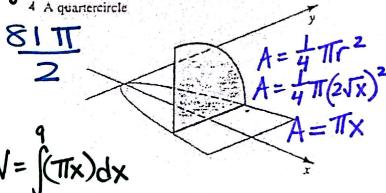




O 3 A semicircle

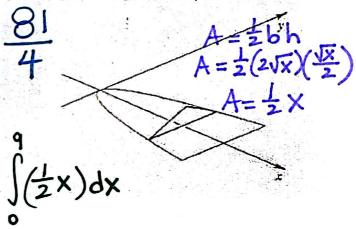


4 A quartereirele



5 An equilateral triangle

6 A triangle with height equal to \frac{1}{4} the length of the base



7 A-trapezoid with lower base in the xy-plane, upper base equal to  $\frac{1}{2}$  the length of the lower base, and height equal to 1 the length of the lower base

