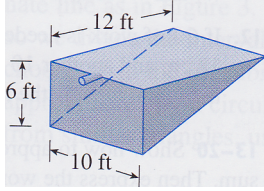


9. [6] Compute the volume of the solid obtained by rotating the region bounded by the curves $y = \sqrt{x}$, $y = 0$ and $x = 1$ about the rotation axis $x = -1$.

10. [6] A tank is full of water. Find the work required to pump the water out of the spout.



End of examination
Total pages: 8
Total marks: 60