

12. Find the area of the region in the third quadrant bounded by $y = x$, and $y = x^3$. $\frac{1}{4}$
13. A particle has starting velocity given by $v(t) = t^2 - t$, where $v(t)$ is in meters per second and t is the number of seconds since the particle left the starting point. Find the total distance traveled during the first 3 sec. 7
14. Give an interpretation of the shaded area. *total cost per unit*

