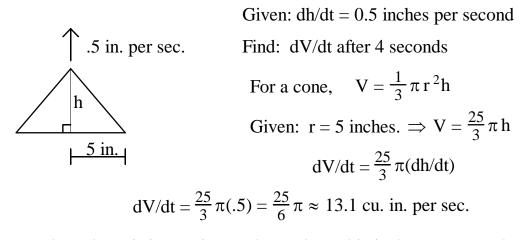
Calculus Worksheet #4 Unit 7 Selected Solutions

7. A cone has a circular base with a radius of 5 inches and a height of 3 inches. If the height is increasing at .5 inches per second, while the radius of the base remains constant, then how fast is the volume increasing after 4 seconds?



The volume is increasing at about 13.1 cubic inches per second. Note: The volume is increasing at a constant rate.