



Air is being pumped into a spherical balloon at a rate of 5 $\rm cm^3/min.$ Determine the rate at which the radius of the balloon is increasing when the diameter of the balloon is 20 cm.

Calculus with Functions MATH 231, Chapter 3, Part

A tank of water in the shape of a cone is leaking water at a constant rate of 2 ft^3 /hour. The radius of the tank is 5 ft and the height of the tank is 14 ft.



At what rate is the depth of the water in the tank changing when the depth of the water is 6 ft?

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