7a. Chain Rule: Find the following derivatives of the (sometimes implicitly defined) functions:

d) Find the rate of change of y with respect to t of $x^2 + y^2 + z^2 = 1$ for t = 1, assuming that x, y, and z are all functions of t and that x(1) = 1, y(1) = 2, z(1) = 3, and x'(1) = 0 and $\overline{z'(1)} = \frac{1}{2}$

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