**2.** Which term best describes the surface  $\{(x, y, z) \mid \rho \ge 0 \text{ and } \phi = \pi/3\}$ ? cone? double-cone? plane? half-plane? circular cylinder? spiral cylinder? sphere?

**3.** Parametrize the straight-line, constant-speed path from (2, 4, 2) at time t = 0 to (7, 6, 5) at time t = 1. What is the position vector when t = 2/3?