
Exercise 1 Which set(s) of parametric equations describe the line containing $P(3, -2, 7)$, if the line is perpendicular to the plane $2x + y - 5z = 10$?

Select all that apply.

Select All Correct Answers:

1. $x = 2t + 3; y = t - 2; z = -5t + 7.$
2. $x = 3t + 2; y = -2t + 1; z = 7t - 5.$
3. $x = 10t + 3; y = 10t - 2; z = 10t + 7.$
4. $x = -2t + 3; y = -t - 2; z = 5t + 7.$