

LINES

Find parametric equations for the following lines and line segments. Be sure to state the range of values for your parameter.

1. The line segment from $P = (1, 2, 3)$ to $Q = (8, 6, 8)$.
2. The line through $P = (1, 2, 3)$ and $Q = (8, 6, 8)$.
3. The line segment from $Q = (8, 6, 8)$ to $P = (1, 2, 3)$.
4. The line segment from $P = (2, -3, 5)$ to $Q = (-4, -1, 0)$.
5. The line through $P = (4, 6, 8)$ and $Q = (-4, -6, -8)$.