Worksheet D: Analysis of vector equations of lines

The vector equations below describe lines in 3D. Can you determine if:

1) any of the equations define lines that are parallel to each other?

2) any of the equations define the same line?

3) any of the equations define lines that intersect?

4) any of the equations define lines that are parallel to any of the coordinate axes?

While answering these questions, write down how you came to these conclusions and what features of the equations that you are working with that led you to your conclusions.

