## Lines

1. What is a line?
2. Describe the line containing the points $(-2,3)$ and $(5,-9)$.
3. Describe the line containing the points $(-2,3)$ and $(2,3)$.
4. Describe the line containing the points $(-2,3)$ and $(-2,-9)$.
5. Describe the line containing the points $\left(x_{1}, y_{1}\right)$ and $\left(x_{2}, y_{2}\right)$.
6. Describe the line containing the points $(-2,3,5)$ and $(-2,3,7)$.
7. Describe the line containing the points $(-2,3,5)$ and $(-2,4,7)$.
8. Describe the line containing the points $(-2,3,5)$ and $(1,2,7)$.
9. Describe the line containing the points $\left(x_{1}, y_{1}, z_{1}\right)$ and $\left(x_{2}, y_{2}, z_{2}\right)$.
10. Describe the line that is the intersection of the two planes given by the equations $2 x+y-5 z=3$ and $x-y-2 z=-4$.
11. Describe the line containing the points $(-2,3,5,-1)$ and $(1,2,7,0)$.
12. Describe the line containing the points $\left(w_{1}, x_{1}, y_{1}, z_{1}\right)$ and $\left(w_{2}, x_{2}, y_{2}, z_{2}\right)$.
