

## 3D Vectors

Tell me about each of these triangles;

Triangle 1

$$\begin{pmatrix} 2 \\ 3 \\ -4 \end{pmatrix}, \begin{pmatrix} 3 \\ 2 \\ 3 \end{pmatrix}, \begin{pmatrix} -2 \\ 4 \\ 2 \end{pmatrix}$$

Triangle 2

$$\begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}, \begin{pmatrix} -1 \\ 3 \\ 7 \end{pmatrix}, \begin{pmatrix} 8 \\ 1 \\ 0 \end{pmatrix}$$

Triangle 3

$$\begin{pmatrix} 6 \\ 4 \\ 2 \end{pmatrix}, \begin{pmatrix} 2 \\ -4 \\ 14 \end{pmatrix}, \begin{pmatrix} 9 \\ 0 \\ 3 \end{pmatrix}$$

Triangle 4

$$\begin{pmatrix} 1 \\ -1 \\ 0 \end{pmatrix}, \begin{pmatrix} -1 \\ 2 \\ 6 \end{pmatrix}, \begin{pmatrix} -5 \\ 1 \\ 3 \end{pmatrix}$$