

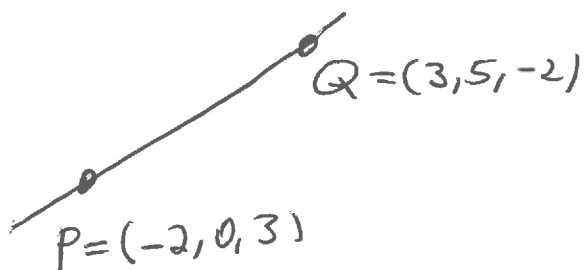
No calculators, cell phones, computers, notes, etc.

Circle your answer. Make your work correct, complete and coherent.

The quiz is worth 5 points. The solutions will be posted on my website later today.

Quiz 2, September 6, 2018

Find parametric equations for the line through $P = (-2, 0, 3)$ and $Q = (3, 5, -2)$.



$$\vec{PQ} = 5\vec{i} + 5\vec{j} - 5\vec{k}$$

The line through $(-2, 0, 3)$ // to $5\vec{i} + 5\vec{j} - 5\vec{k}$ is

$$\begin{aligned}x &= -2 + 5t \\y &= 0 + 5t \\z &= 3 - 5t\end{aligned}$$

Check when $t=0$ the point is $(-2, 0, 3)$.
when $t=1$ the point is $(3, 5, -2)$.