

perpendicular to (α) and (β) respectively.
 $(\frac{2i+5j+11k}{5\sqrt{6}})$

[MTH282] Vectors with same direction, same a sense (same arrow) but different magnitude are called _____
 like vectors

[MTH282] Solve for z if $((z-2)^2+16=0)$.
 $(2\pm 4i)$

[MTH282] At any point of the path $x=3\cos t, y=3\sin t, z=4t$, find the Tangent vector . n
 $-3 \sin t i + 3 \cos t j + 4k$

[MTH282] At any point of the path $x=3\cos t, y=3\sin t, z=4t$, what is the Normal vector?
 $(\frac{1}{25} (-3 \cos t i - 3 \sin t j))$

[MTH282] _____ is an example of scalar quantity.
 mass

[MTH282] The principal value of the argument of $((1+i\sqrt{3})(1-i))$ is _____
 $(\frac{\pi}{12})$

[MTH282] If $(G = 5t^2 i + t j - t^3 k)$ and $(F = \sin t i + \cos t j)$, what is $(\frac{d}{dt} (G \cdot F))$?
 $(100t^3+2t+ 6t^5)$

[MTH282] If $(G = 5t^2 i + t j - t^3 k)$ and $(F = \sin t i + \cos t j)$, what is $(\frac{d}{dt} (G \times F))$?
 $((t^3 \sin t - 3t^2 \cos t)i - (t^3 \cos t + 3t^2 \sin t)j + (5t^2 \sin t - 11t \cos t)k)$

[MTH282] A stone moves along the path $(x=t^3+1, y=t^3), (z=2t+5)$, where t denote time. What is the component of $(\frac{dp}{dt})$?
 $3i+2j+2k$

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