perpendicular to \(\alpha\) and \(\beta) 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=3cosÃ¢Â□Â¡t,y=3sinÃ¢Â□Â¡t,z=4t, find the Tangent vector . n
-3 sinÃ¢Â□Â¡t i+3 cosÃ¢Â□Â¡t j+4k

[MTH282] At any point of the path x=3cosÃ¢Â□Â¡t,y=3sinÃ¢Â□Â¡t,z=4t, what is the Normal vector?
\(1/25 (-3 cosÃ¢Â□Â¡t i-3 sinÃ¢Â□Â¡t j)\)

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

[MTH282] The principal value of the argument of \((1+iÃ¢Ë†Å¡3)(1-i)\) is____
\(\fra{\pi}{12}\)

[MTH282] If \(G Ã¢Æ'â€"= Ã£â,¬â€"5tÃ£â,¬â€"^2 i + tj - t^3 k\) and \(F Ã¢Æ'â€" = sin ti Ã¢â,¬â€œ cost j\), what is \(d/dt (G. F Ã¢Æ'â€")\) ?
\(100t^3+2t+ 6t^5\)

[MTH282] If \(GÃ¢Æ'â€"= Ã£â,¬â€"5tÃ£â,¬â€"^2 i + tj - t^3 k\) and \(F Ã¢Æ'â€" = sin ti Ã¢â,¬â€œ cost j\), what is \(d/dt (G \times F Ã¢Æ'â€")\) ?
\((t^3 sin t- 3t^2 cost)i-(t^3 cosÃ¢Â□Â¡(t-3t^2 sinÃ¢Â□Â¡t) j+(5t^2 sinÃ¢Â□Â¡Ã£â,¬â€"t-sinÃ¢Â□Â¡Ã£â,¬â€"t-11t cost) k\)Ã£â,¬â€" Ã£â,¬â€" Ã£â,¬â€"

[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 \((dp)/dt\) ?
3i+2j+2k