

Math 211 Trigonometry Videos for Daily Class Lessons

<u>Class Day</u>	<u>Phrase to Google</u>	<u>Sample videos to Watch</u>
	Study Less; Study Smart 6 min version	https://www.youtube.com/watch?v=IIU-zDU6aQ0 https://www.youtube.com/watch?v=23Xqu0jXlfs
Day 1	“Basic triangle definitions” “Right triangle definitions” “SOH CAH TOA”	https://www.youtube.com/watch?v=nfMkORv6ybc https://www.youtube.com/watch?v=LJgxLUCtSjQ https://www.youtube.com/watch?v=5tp74g4N8EY
Day 2	“Trig functions of Non-acute angles” “Using calculator to find trig values”	https://www.youtube.com/watch?v=Q1D6j1YxhFA https://www.youtube.com/watch?v=2QJm3c4aY_s
Day 3	“solving right triangles” Part 1 Part 2 Part 3 “Solving right triangle word problems”	https://www.youtube.com/watch?v=fjUN809FPRs https://www.youtube.com/watch?v=w4D4KOxFsKA https://www.youtube.com/watch?v=2b-qB_LLoFY https://www.youtube.com/watch?v=3umBUlrUCPQ https://www.youtube.com/watch?v=ZWlztbjDBsk https://www.youtube.com/watch?v=QZwd7ID6aT4
	“Radian Measure” “Unit circle trigonometry-left hand trick”	https://www.youtube.com/watch?v=cIVpemcoAIY
Day 4	“Unit circle trig values” “Graph sin & cosine”	https://www.youtube.com/watch?v=ZsPyhyo16pg https://www.youtube.com/watch?v=uKyB11FOaks
Day 5	“Graph tangent function”	https://www.youtube.com/watch?v=QuyJUZufemM https://www.youtube.com/watch?v=JEL13mNUroI
Day 6	“Translations of sine & cosine”	https://www.youtube.com/watch?v=YVQbGZ9KfFM https://www.youtube.com/watch?v=iEbF1aa0Qps
	“Graph of cotangent”	https://www.youtube.com/watch?v=nkWpUbXu4hU https://www.youtube.com/watch?v=8ZyGwbYoWZ4 https://www.youtube.com/watch?v=WKxw8eccccM
	“Graph of secant	https://www.youtube.com/watch?v=r3fqm2eOGew https://www.youtube.com/watch?v=FvNFDNbzljQ

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Day 6 cont.	“Graph of cosecant”	https://www.youtube.com/watch?v=uhSfmMA4ls4 https://www.youtube.com/watch?v=IlkXQl_zPYE https://www.youtube.com/watch?v=s8vlwC6_pLE
Day 7	“Identities-reciprocal, quotient & Pythagorean Using identities to find trig values”	https://www.youtube.com/watch?v=OmJ5fxyXrfg
Day 8	“Verifying identities”	https://www.youtube.com/watch?v=Zktxkfr9zJE https://www.youtube.com/watch?v=g0NV4HxvBtE https://www.youtube.com/watch?v=8d6GZuzrds
	“Cosine of Sum or Difference”	https://www.youtube.com/watch?v=H-0jQTzfkWQ
Day 9	“Sum & Difference for Sin”	https://www.youtube.com/watch?v=hiNDDQyee2E https://www.youtube.com/watch?v=v4JrGnWgJLg
	“Sum & Difference for Tan”	https://www.youtube.com/watch?v=OQP78bwYcWw https://www.youtube.com/watch?v=YjAj_PhNCkk
Day 10	“Double Angle identities” “Half angle identities”	https://www.youtube.com/watch?v=-zhCYiHcVIE https://www.youtube.com/watch?v=Rp61qiglwfq
Day 11	“Inverse trig functions” “Solving trig equations”	https://www.youtube.com/watch?v=xPPj-opOYu4 https://www.youtube.com/watch?v=IWeuFrtwXkY https://www.youtube.com/watch?v=gXDRxIadkfM
Day 12	“Law of Sine” “Law of Cosine”	https://www.youtube.com/watch?v=It_bq5DzQ1Q https://www.youtube.com/watch?v=cQXSXkBMsXU https://www.youtube.com/watch?v=VTNHGeyR0ow https://www.youtube.com/watch?v=tS7cQX6C_zY
Day 13	“Vector operations & Dot products”	https://www.youtube.com/watch?v=9fob3rRnQ9s
Day 14	“Vector applications/equilibrant” “Magnitude and angle of resultant force”	https://www.youtube.com/watch?v=naKhkeByHBI https://www.youtube.com/watch?v=RY2gyAWsiVI