

# Math 125 College Algebra Videos for Daily Class Lessons

<u>Class Day</u>	<u>Phrase to Google</u>	<u>Sample videos to Watch</u>
Day 1	"multiplying variables" (1 <sup>st</sup> 5 min) "FOIL method" "multiplying polynomials" "Greatest common factor of polynomials" "difference of squares factoring" "factoring by grouping"	<a href="https://www.youtube.com/watch?v=BOL1IhQKs9g">https://www.youtube.com/watch?v=BOL1IhQKs9g</a> <a href="https://www.youtube.com/watch?v=v5vJ3Fbhdyc">https://www.youtube.com/watch?v=v5vJ3Fbhdyc</a> <a href="https://www.youtube.com/watch?v=5KHOTFG7JfE">https://www.youtube.com/watch?v=5KHOTFG7JfE</a> <a href="https://www.youtube.com/watch?v=BSIWRzB934c">https://www.youtube.com/watch?v=BSIWRzB934c</a> <a href="https://www.youtube.com/watch?v=UxBO7GXFh_Y">https://www.youtube.com/watch?v=UxBO7GXFh_Y</a> <a href="https://www.youtube.com/watch?v=WPDAiXYmRoQ">https://www.youtube.com/watch?v=WPDAiXYmRoQ</a> <a href="https://www.youtube.com/watch?v=-hiGJwMNNsM">https://www.youtube.com/watch?v=-hiGJwMNNsM</a>
Day 2	"factoring by grouping"  "factoring trinomials" AC method Fast way	<a href="https://www.youtube.com/watch?v=NnHOcZPq7Z4">https://www.youtube.com/watch?v=NnHOcZPq7Z4</a>  <a href="https://www.youtube.com/watch?v=JBv7gacY0f0">https://www.youtube.com/watch?v=JBv7gacY0f0</a> <a href="https://www.youtube.com/watch?v=07g-18OuGPo">https://www.youtube.com/watch?v=07g-18OuGPo</a> <a href="https://www.youtube.com/watch?v=r1JAJfmRG5w">https://www.youtube.com/watch?v=r1JAJfmRG5w</a>
Day 3	"square roots of neg numbers using i" "using quadratic formula" "solving quadratic equations" "solving quadratics with quad formula" "Solving quadratics by factoring with grouping"	<a href="https://www.youtube.com/watch?v=g-JHj09Iq78">https://www.youtube.com/watch?v=g-JHj09Iq78</a> <a href="https://www.youtube.com/watch?v=3ayhvAI3IeY">https://www.youtube.com/watch?v=3ayhvAI3IeY</a> <a href="https://www.youtube.com/watch?v=IKyUuvulIbk">https://www.youtube.com/watch?v=IKyUuvulIbk</a> <a href="https://www.youtube.com/watch?v=iII7E1m6f9M">https://www.youtube.com/watch?v=iII7E1m6f9M</a> <a href="https://www.youtube.com/watch?v=9hSZEzBmG6M">https://www.youtube.com/watch?v=9hSZEzBmG6M</a>
Day 4	"transformations of parabolas"  "completing the square for parabolas" "vertical line test for functions" "finding domain & range from graphs"	<a href="https://www.youtube.com/watch?v=WskahuWCpWw">https://www.youtube.com/watch?v=WskahuWCpWw</a> <a href="https://www.youtube.com/watch?v=EloWqjE9frY">https://www.youtube.com/watch?v=EloWqjE9frY</a> <a href="https://www.youtube.com/watch?v=xGOQYTo9AKY">https://www.youtube.com/watch?v=xGOQYTo9AKY</a> <a href="https://www.youtube.com/watch?v=96VqHrvZdXw">https://www.youtube.com/watch?v=96VqHrvZdXw</a> <a href="https://www.youtube.com/watch?v=fyROLkZc75E">https://www.youtube.com/watch?v=fyROLkZc75E</a>

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Day 5	"adding & subtracting functions" "multiplying & dividing functions" "composition of functions" "end behavior of polynomial" "zeros & multiplicity of polynomials" "x-intercepts of factored polynomial"  "synthetic division of polynomials"  "graphing factored polynomials"	<a href="https://www.youtube.com/watch?v=DSW86EFENBg">https://www.youtube.com/watch?v=DSW86EFENBg</a> <a href="https://www.youtube.com/watch?v=MhftcqQK9A4">https://www.youtube.com/watch?v=MhftcqQK9A4</a> <a href="https://www.youtube.com/watch?v=6je5ra3CbLs">https://www.youtube.com/watch?v=6je5ra3CbLs</a> <a href="https://www.youtube.com/watch?v=4OPINzI4dWc">https://www.youtube.com/watch?v=4OPINzI4dWc</a> <a href="https://www.youtube.com/watch?v=sxRkAc1s4OQ">https://www.youtube.com/watch?v=sxRkAc1s4OQ</a> <a href="https://www.youtube.com/watch?v=CtW74iasNEU">https://www.youtube.com/watch?v=CtW74iasNEU</a> <a href="https://www.youtube.com/watch?v=m3YJ4eAwmfc">https://www.youtube.com/watch?v=m3YJ4eAwmfc</a> <a href="https://www.youtube.com/watch?v=bZoMz1Cy1T4">https://www.youtube.com/watch?v=bZoMz1Cy1T4</a> <a href="https://www.youtube.com/watch?v=nefo9cUo-wg">https://www.youtube.com/watch?v=nefo9cUo-wg</a> <a href="https://www.youtube.com/watch?v=VSP32ns3Ez4">https://www.youtube.com/watch?v=VSP32ns3Ez4</a> <a href="https://www.youtube.com/watch?v=Bv8cvi_Ecf8">https://www.youtube.com/watch?v=Bv8cvi_Ecf8</a>
Day 6	"synthetic div of 3 <sup>rd</sup> & 4 <sup>th</sup> degree poly" "graphing polynomials by hand"	<a href="https://www.youtube.com/watch?v=piA3LgZJJT0">https://www.youtube.com/watch?v=piA3LgZJJT0</a> <a href="https://www.youtube.com/watch?v=j2QPfIC5dIM">https://www.youtube.com/watch?v=j2QPfIC5dIM</a>
Day 7	"vertical asymptotes of rational function" "horizontal asymptotes of rational function" "sketch graph of rational function"	<a href="https://www.youtube.com/watch?v=iJocL4mOeWw">https://www.youtube.com/watch?v=iJocL4mOeWw</a> <a href="https://www.youtube.com/watch?v=0cPptjKTR7M">https://www.youtube.com/watch?v=0cPptjKTR7M</a> <a href="https://www.youtube.com/watch?v=b-CydtDdYD8">https://www.youtube.com/watch?v=b-CydtDdYD8</a>
Day 8	"graphs of rat'l functions w/mult asym"  "solving polynomial inequalities with graphs" "solving rational inequalities with graphs"	<a href="https://www.youtube.com/watch?v=fDIVjbaGBw8">https://www.youtube.com/watch?v=fDIVjbaGBw8</a> <a href="https://www.youtube.com/watch?v=PQ3mCQLEbdE">https://www.youtube.com/watch?v=PQ3mCQLEbdE</a>  <a href="https://www.youtube.com/watch?v=cVfuw6FFH5c">https://www.youtube.com/watch?v=cVfuw6FFH5c</a> <a href="https://www.youtube.com/watch?v=Kn8X1ouUNCo">https://www.youtube.com/watch?v=Kn8X1ouUNCo</a> <a href="https://www.youtube.com/watch?v=tec2aoiPtA0">https://www.youtube.com/watch?v=tec2aoiPtA0</a>

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Day 9	"graphing inverse functions" "graphing exponential functions"  "solving exponential functions w/o logs" With BEN	<a href="https://www.youtube.com/watch?v=gqAu1LjyW-0">https://www.youtube.com/watch?v=gqAu1LjyW-0</a> <a href="https://www.youtube.com/watch?v=ls78_2UBcdY">https://www.youtube.com/watch?v=ls78_2UBcdY</a> <a href="https://www.youtube.com/watch?v=C5jnasB2x5Y">https://www.youtube.com/watch?v=C5jnasB2x5Y</a> <a href="https://www.youtube.com/watch?v=o4CLEwJq77Q">https://www.youtube.com/watch?v=o4CLEwJq77Q</a> <a href="https://www.youtube.com/watch?v=CqYDBfoiwOc">https://www.youtube.com/watch?v=CqYDBfoiwOc</a>
Day 10	"evaluating logarithms" With BEN "graphing logarithms" <a href="https://www.youtube.com/watch?v=GT6AYjgoFco&amp;feature=youtube_gdata&amp;list=PL8880EEBC26894DF4">https://www.youtube.com/watch?v=GT6AYjgoFco&amp;feature=youtube_gdata&amp;list=PL8880EEBC26894DF4</a>	<a href="https://www.youtube.com/watch?v=ZIwmZ9m0byI">https://www.youtube.com/watch?v=ZIwmZ9m0byI</a> <a href="https://www.youtube.com/watch?v=CqYDBfoiwOc">https://www.youtube.com/watch?v=CqYDBfoiwOc</a> <a href="https://www.youtube.com/watch?v=q9DhIR43P7A">https://www.youtube.com/watch?v=q9DhIR43P7A</a>
Day 11	"properties of logarithms" "combining logarithms" "solving logarithm equations"	<a href="https://www.youtube.com/watch?v=OLjCqJk3dXs">https://www.youtube.com/watch?v=OLjCqJk3dXs</a> <a href="https://www.youtube.com/watch?v=AK_Dwyzs3rg">https://www.youtube.com/watch?v=AK_Dwyzs3rg</a> <a href="https://www.youtube.com/watch?v=BxD6ZFBu01c">https://www.youtube.com/watch?v=BxD6ZFBu01c</a>
Day 12	"types of solutions for systems of equations" "solving systems by substitution"  "solving systems by elimination" "word problem applications"	<a href="https://www.youtube.com/watch?v=H7A5NSgsPaA">https://www.youtube.com/watch?v=H7A5NSgsPaA</a> <a href="https://www.youtube.com/watch?v=bLmVowLps0o">https://www.youtube.com/watch?v=bLmVowLps0o</a> <a href="https://www.youtube.com/watch?v=kf-o_CcTKH8">https://www.youtube.com/watch?v=kf-o_CcTKH8</a> <a href="https://www.youtube.com/watch?v=Tkrqrfkznoo">https://www.youtube.com/watch?v=Tkrqrfkznoo</a> <a href="https://www.youtube.com/watch?v=ZPaXGn3jPkk">https://www.youtube.com/watch?v=ZPaXGn3jPkk</a> <a href="https://www.youtube.com/watch?v=Pc16Oe-ZX4Y">https://www.youtube.com/watch?v=Pc16Oe-ZX4Y</a>

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Jenny Fiedeldej  
Math Department Chair