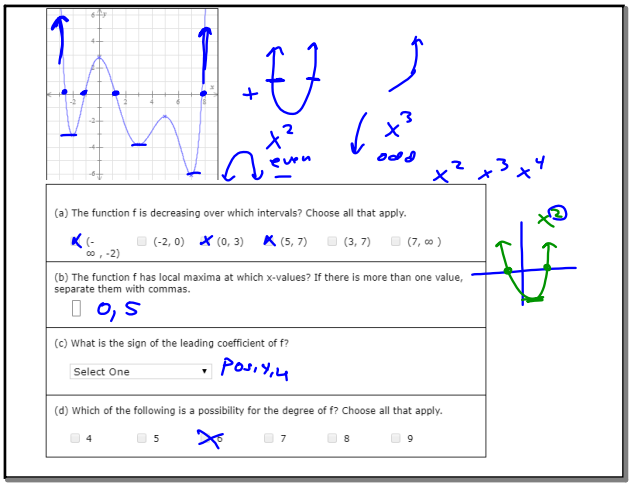
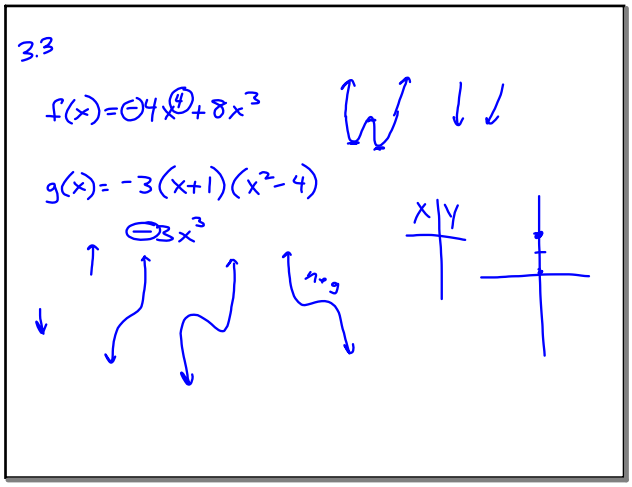


Sep 20-9:33 AM



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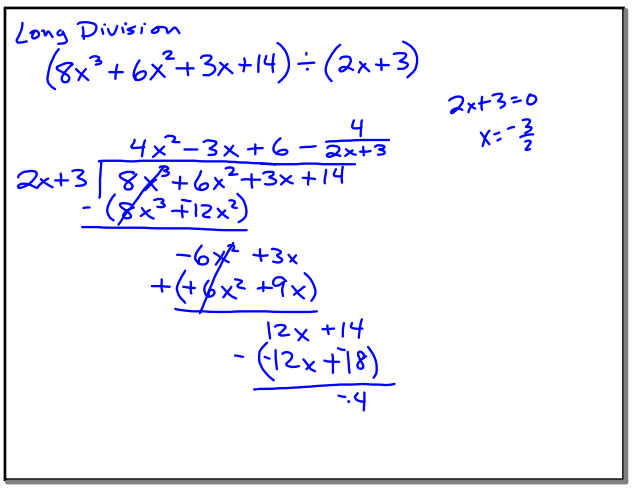

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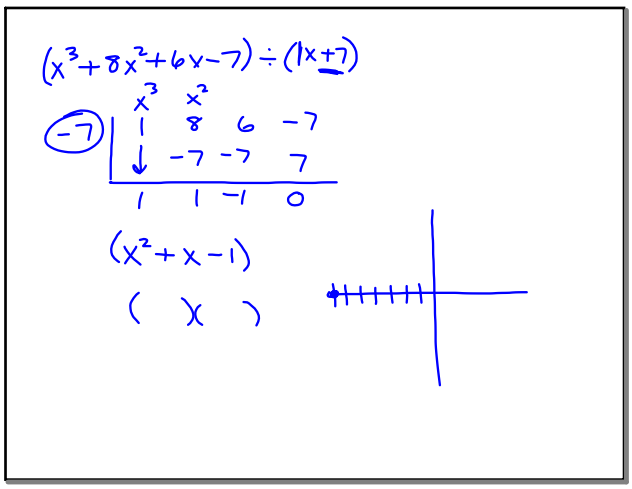

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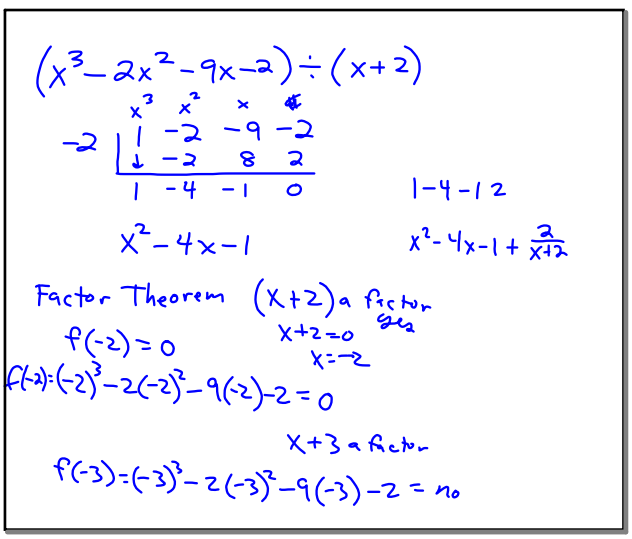
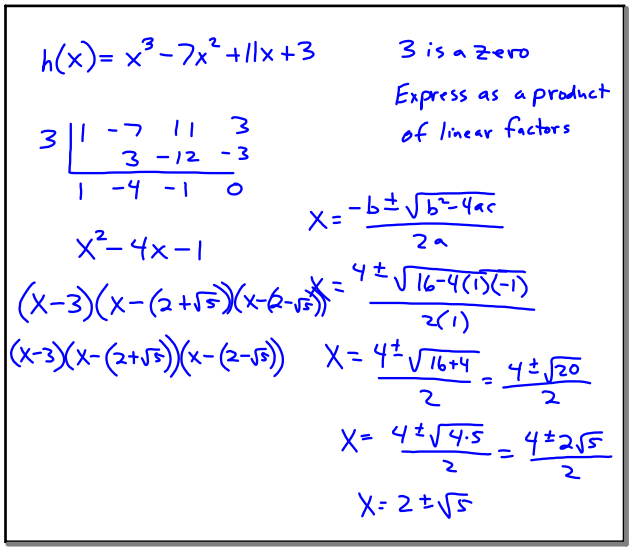


Sep 20-10:08 AM



Sep 20-10:30 AM

graph

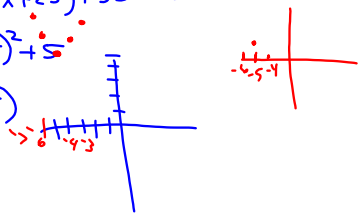
$y = 2x^2 + 20x + 55$

$2(x^2 + 10x) + 55$

$2(x^2 + 10x + 25) + 55 - 50$

$2(x+5)^2 + 5$

$(-5, 5)$



Sep 20-10:41 AM

$f(x) = -3x^2 - 24x - 42$

$= -3(x^2 + 8x) - 42$

$= -3(x^2 + 8x + 16) - 42 + 48$

$(x+4)(x+4)$

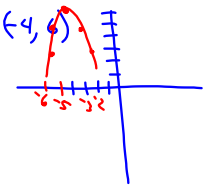
$= -3(x+4)^2 + 6$

Vertex $(-4, 6)$

$-5^2 = -25$

$(-5)^2 = 25$

$(-4)^2$



Sep 20-10:46 AM

$f(x) = -x^2 - 3x + 7$

$= -2x - 3$

$-h - 2x - 3$

x^4

$1x^3 + 1x^2 +$

$(-5)^2$

$q(x) = 2x - 2$

$r(x) = -2x^2 - 2$

$q(r(-5))$

$r(-5) = -2(-5)^2 - 2$

$= -50 - 2 =$

$= -52$

$2(-52) - 2$

$-104 - 2 = -106$

Sep 20-10:51 AM