The perimeter of the rectangle is $10x^2+8x+12$ The length is x^2+7x
What would the width be?

Mar 23-9:59 AM

Learning Target 6.2

How can I perform the different operations with polynomials.

Topic: Division

Mar 23-9:59 AM

$(3x^4 - 12x + 5) \div (x + 1)$

$x + 1 = 0$
$-1 \quad -1$
$x = -1$

	3	0	0	−12	5
		−3	3	−3	15
−1	3	−3	3	−15	20

$3x^3 - 3x^2 + 3x - 15 \quad \frac{20}{x+1}$

Jan 3-10:47 PM

$(x^4 + 11x^3 + 22x^2 + 28x - 72) \div (x + 9)$

$x + 9 = 0$
$-9 \quad -9$
$x = -9$

	1	11	22	28	−72
	0	−9	−18	−36	72
−9	1	2	4	−8	0

$1x^3 + 2x^2 + 4x - 8$

$$\frac{(x^3 - x^2 - 60x + 32)}{(x - 8)}$$

$x - 8 = 0$
$+8 \quad +8$
$x = 8$

	1	−1	−60	32
	0	8	56	−32
8	1	7	−4	0

$(x^2 + 7x - 4)(x - 8)$

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$$(2x^3 - 5x^2 + 4) \div (x+1)$$

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$$\frac{-4x^3 - 11x^2 + 30x - 40}{x+4}$$

$x+4=0$
$-4\ -4$
$x=-4$

	-4	-11	30	-40
	0	16	-20	-40
-4	-4	5	10	-80

$$-4x^2 + 5x + 10 - \frac{80}{x+4}$$

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$(x^3 - 3x^2 - 12x - 37) \div (x - 6)$

Apr 20-11:31 AM

Apr 22-9:20 AM