Precalculus

Factor cubic with rational roots using its plot

Todor Miley

2019

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$$2x^3 + x^2 - 7x - 6 = 0$$



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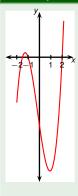
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$$?(x - ?$$

$$(x-?)(x-?)(x-?)$$

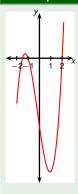


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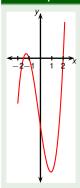


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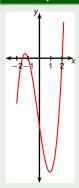


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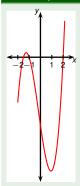


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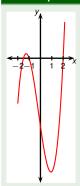
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$$2x^3 + x^2 - 7x - 6 = 0$$
$$(2x+3)(x+1)(x-2) = 0$$

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 $(2x+3)(x+1)(x-2) = 0$
 $x = -\frac{3}{2}$ or $x = -1$ or $x = 2$

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