

Factor

Warm Up

① $-24x^4y^3 + 48x^3y - 72x^2y^2 =$

② $5p^2 - 3p + 1$

③ $16x^4 - 81$

④ $c^2 - 13c + 22$

⑤ $6x^2 - 17xy + 5y^2$

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solutions...

Warm Up

Factor

① $-24x^4y^3 + 48x^3y - 72x^2y^2 = -8x^2y(3x^2y^2 - 6x + 9y)$

② $5p^2 - 3p + 1$
 M 5
 A -3
 Not possible
 $= -24x^2y(x^2y^2 - 2x + 3y)$

③ $16x^4 - 81 = (4x^2 + 9)(4x^2 - 9)$
 $(4x^2 + 9)(2x + 3)(2x - 3)$

④ $c^2 - 13c + 22$
 $(c - 11)(c - 2)$
 M 22
 A -13
 N -11 -2

⑤ $6x^2 - 17xy + 5y^2$
 $6x^2 - 15xy - 2xy + 5y^2$
 $3x(2x - 5y) - y(2x - 5y)$
 $(2x - 5y)(3x - y)$
 M 30
 A -17
 N -2 -15

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Problems with the homework?

Worksheet

Factoring: Difference of Square and Perfect Squares

Factoring Hard Trinomials

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Homework:

Puzzle Worksheet

How Can Fishermen Save Gas?



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Attachments

Puzzle - How Can Fishermen Save Gas Mixture of factoring.pdf