

Algebra 1

Factoring Quadratics - Addendum







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$2x^2 - 3x - 35$

$(1)(7) \pm (2)(5)$
 $(2)(7) \pm (1)(5)$
 $7 - 10 = -3$
 $(2x + 7)(x - 5)$

Factoring Quadratics - Addendum





$z^2 + 6z - 40$

$y = mx + b$

$\Delta < 0$
 $\Delta = 0$
 $\Delta > 0$

You Try It!

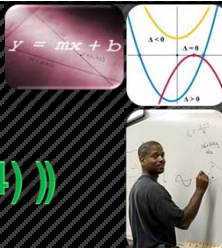



$z^2 + 6z - 40$

$(z + 10)(z - 4)$

$40 = 5 \cdot 2 \cdot 2 \cdot 2$

You Try!



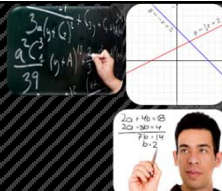
$2x^2 - 7x + 3$

$(1)(-3) + (2)(-1)$
 $(2)(-3) + (1)(-1)$
 $-3 + (-2) = -5$

$(2x - 1)(x - 3)$

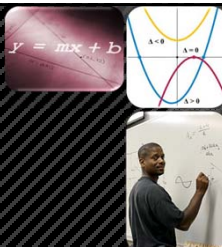
Factoring Quadratics - Addendum

You Try!



$3x^2 - 6x + 3$

You Try!

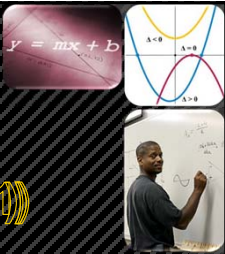


$3x^2 - 6x + 3$

$(3x-3)(x-1)$

$3*1 + 1*3$ or $3*3 + 1*1$

You Try!



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