Bellwork:

What does it mean to factor?

Sep 25-7:26 AM

ex. $6x+3$

$3(2x+1)$

Sep 25-7:43 AM

ex. $x^2 + 3x - 18$ $a=1$

$(x-3)(x+6)$

$x^2 + 6x - 3x - 18$

$x^2 + 3x - 18$

Sep 25-7:45 AM

ex. $x^2 - 22x - 75$

$(x-25)(x+3)$

75

Sep 25-7:53 AM

ex. $x^2 - 8x + 15$

$(x-5)(x-3)$

Sep 25-7:56 AM

ex. $x^2 - 5xy - 6y^2$

$(x-6y)(x+1y)$

Sep 25-7:58 AM

ex. $5n^2 + 17n + 6$

Rainbow

5 | 1

6 | 1
3 | 2

3.0
15 | 2

$(5n + 2)(1n + 3)$

Sep 25-8:00 AM

ex. $12y^2 + 7y + 1$

1 | 12
2 | 6
3 | 4

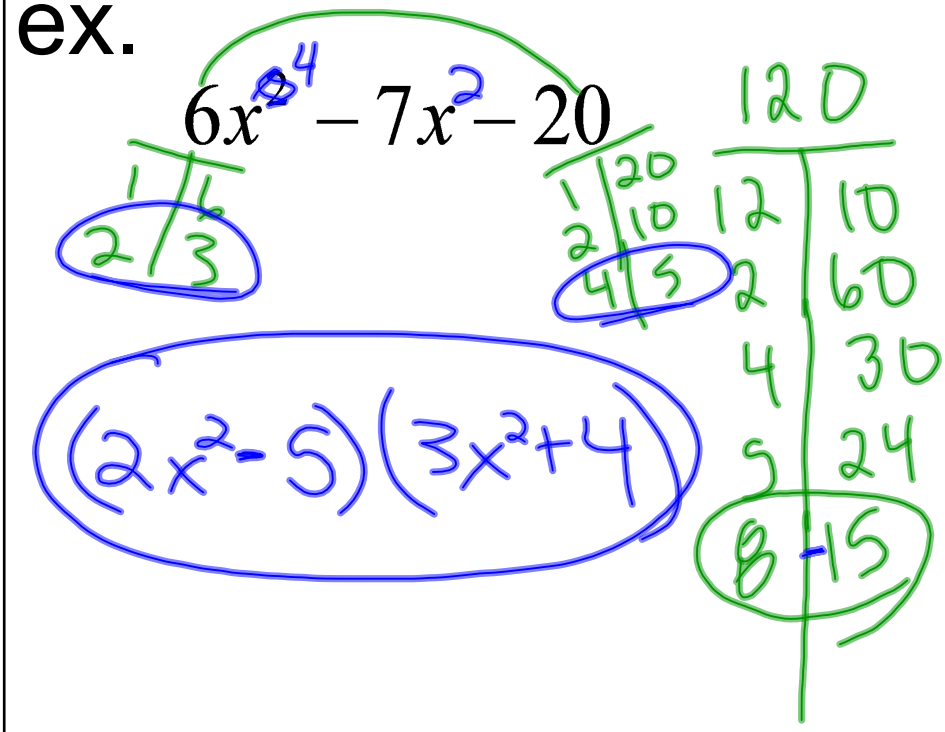
11

12
3 | 4

$(3y + 1)(4y + 1)$

Sep 25-8:07 AM

ex. $6x^4 - 7x^2 - 20$



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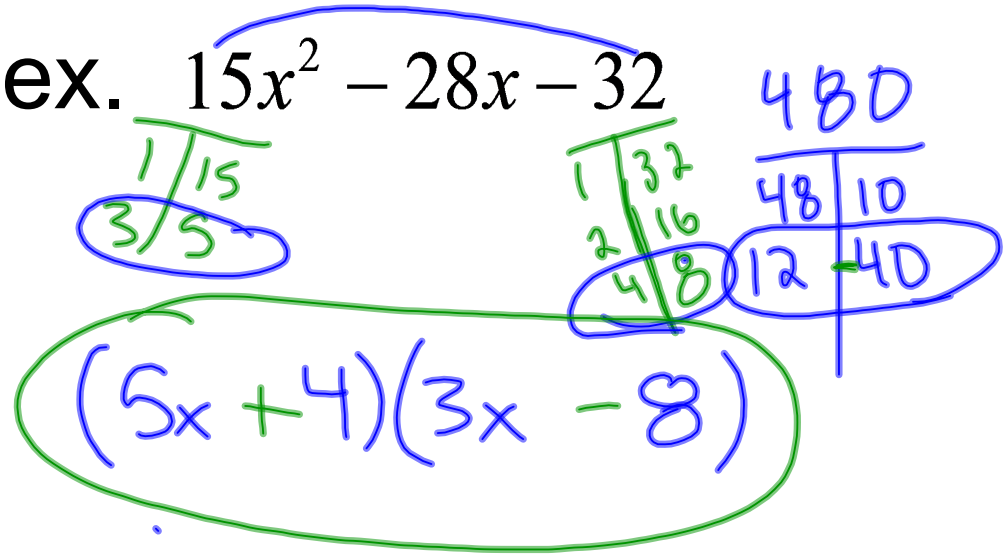
ex. $15x^2 - 28x - 32$



Sep 25-8:15 AM

ex. $x^2 - 1$

$x^2 - 1^2$

$x^2 + 0x - 1$

$(x+1)(x-1)$

$a^2 - b^2 = (a-b)(a+b)$

$4x^2 - 9$

$(2x)^2 - 3^2$

$(2x+3)(2x-3)$

$x^2 - 25$

$(x+5)(x-5)$

Sep 25-8:23 AM

ex. $4x^2 - 16$

$4(x^2 - 4)$

$4(x+2)(x-2)$

$x^4 - 16$

$(x^2)^2 - 4^2$

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

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

$x^2 + 0x + 4$

Sep 25-8:26 AM

1) $2x^2+8x$

2) x^2-16

3) $2x^2-8$

4) x^2+6x+8

5) $x^2-3x-40$

6) $x^2+16x-36$

7) $2x^2-5x-3$

8) $4y^2+8y+3$

9) $9y^2+6y-8$

10) $8a^2-10a+3$

Sep 25-8:30 AM