Alg1

March 27, 2012

Do we still need to correct Green WS3?

16) $\frac{v^4}{2v^2} + \frac{4v^3}{2v^2} + \frac{2v^2}{2v^2} \div 2v^2$

$= \frac{1}{2}v^2 + 2v + 1$

17) $\frac{5x^6}{5x^5} + \frac{10x^5}{5x^4} + \frac{1x^4}{5x^3}$

$= x^5 + 2x^4 + \frac{1}{5}x^3$

3/27 - Factoring Trinomials with no lead coefficient and a positive constant

Remember:

$(x-2)(x-5)$

$-2x$

$-5x$

$= x^2 - 7x + 10$

Now do it backwards:

$x^2 - 7x + 10$

$1 \cdot 10$

$2 \cdot 5$

$= (x-2)(x-5)$

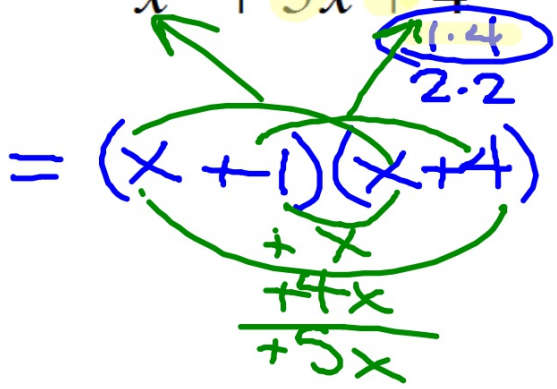
$-2x$

$-5x$

$-7x$

Try these!

$x^2 + 5x + 4$



$m^2 + 10m + 9$

1·9
3·3

$= (m + 1)(m + 9)$

$b^2 + 7b + 12$

1·12
2·6
3·4

$= (b+3)(b+4)$

$m^2 + 12m + 32$

1·32
2·16
4·8

$= (m+8)(m+4)$

signs are the same

$m^2 - 7m + 6$

1·6
2·3

$= (m-1)(m-6)$

or

$(m-6)(m-1)$

$x^2 - 12x + 20$

1·20
2·10
4·5

$= (x-2)(x-10)$

$a^2 - 11a + 18$

$9 \cdot 2$

$= (a-9)(a-2)$

$k^2 - 11k + 24$

$= (k-8)(k-3)$

$= k^2 - 3k - 8k + 24$

$= k^2 - 11k + 24$

Check by multiplying

Homework

Blue Polynomials WS4

Due Wednesday