Algebra 1 8.4

Find squares of sums and differences

Find the product of a sum and a difference

Find GCF*

* 6th grade standard

sum +

difference −

product ·

EWE

difference of squares

$x^2 - 25$

matching activity

triangle puzzle

X-factor

2 · 6p · -1

2 · a · -2b

GuidedPractice

Whiteboards

Find each product.

2A. $(6p - 1)^2 = 36p^2 - 12p + 1$

2B. $(a - 2b)^2 = a^2 - 4ab + 4b^2$

$6p - 1$

$6p - 1$

$-6p + 1$

$36p^2 - 6p$

$36p^2 - 12p + 1$

$a - 2b$

$a - 2b$

$-2ab + 4b^2$

$a^2 - 2ab$

$a^2 - 4ab + 4b^2$

Matching activity (partners)

- Shotgun start
- Check with me when finished

What is GCF?
The biggest term that is a factor of both

25 45

58 24

$30xy^2$ $20x^2y$

$(x+3n)(x-3n)$

$x+3n$

$x-3n$

$x^2 - 3nx + 3nx - 9n^2$

$x^2 - 9n^2$

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

$4x^2 - 25$