Stick Quiz

Name: Per: TARGET/Section: 8.3

1	2	3	4	5
Blank /Beginning	Emerging	Nearly Proficient	Proficient	Mastery

Find the product:

1. (3*w* + 7)(2*w* + 5) -- Use FOIL

$6w^2+15w+14w+35$

$6w^2+29w+35$

2. (5*b* – 3)(5*b*² + 3*b* – 2) -- Use double distribution

$5b(5b^2+3b-2)-3(5b^2+3b-2)$

$25b^3-19b+6$

Questions On Homework

I can multiply polynomials using FOIL method.

New Target!
T8-0 Computational Fluency - I can recite the perfect squares out loud for the numbers 1-20.

FOIL

FIRST OUTSIDE INSIDE LAST

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

2 $(3x + 5)(2x - 6)$

You Try!!

Use FOIL to multiply.

1. $(n-5)(n+1)$
2. $(3c^2+1c)(c^2-2c^3)$

$(7x+2)^2=(7x+2)(7x+2)$

★ Square a binomial
you Always get a trinomial

Special Products - Square of a SUM

Expand, then FOIL!

$(7x + 2)^2$

$(7x + 2)(7x + 2)$

$49x^2 + 14x + 14x + 4$

$49x^2 + 28x + 4$

Special Products - Square of a Difference

Expand, then FOIL!

$(3c - 4)^2$

$(3c - 4)(3c - 4)$

$9c^2 - 12c - 12c + 16$

$9c^2 - 24c + 16$

You Try:

Erase for answers below:

1. $(3x + 2)^2$

2. $(2m - 3)^2$

Product of a SUM and a DIFFERENCE

1. $(9d + 4)(9d - 4)$ $81d^2 - 16$
2. $(x-7)(x+7)$ $x^2 - 49$
3. $(x+2)(x-2)$ $x^2 - 4$
4. $(5x+8)(5x-8)$ $25x^2 - 64$

You Try:

1. $(3y + 2)(3y - 2)$

$(3y+2)^2$

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

Homework 8.4

8.4 pg 489 #23-47o ***FOIL***

Like #43: $(x+3)(x+2)(2x-5)$

$(x^2+2x+3x+6)(2x-5)$

$(x^2+5x+6)(2x-5)$

$(2x-5)(x^2+5x+6)$

GEOMETRY **Write an expression that represents the area of a square that has a side length of $3x + 12$ units.**

Answer:

You Try:

GEOMETRY **Write an expression that represents the area of a square that has a side length of $(3x - 4)$ units.**

Answer: