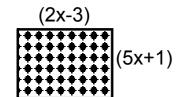


Determine the area:



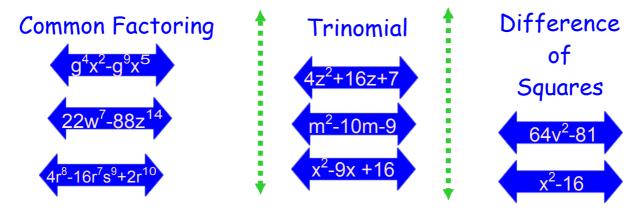
$$(2x-3)(5x+1)$$

 $10x^2+2x-15x-3$
 $10x^2-13x-3$

Which of the following can be represented by a rectangle?

Factoring Rules

- 1st Check for a common factor
- 2nd Count how many terms
 - 2 Terms (Difference of Squares)
 - 3 Terms (Trinomial simple or clinger)



Choose a polynomial out of the bag and then determine which type of factoring it is.



How are your Factoring Skills?

Factor each of the following:

1.
$$15m^5n^3p - 30n^7p^3 + 60m^4n^8p^5$$

2.
$$x^2 - 2x - 35$$

3.
$$270xy^2 - 180x^3y - 90xy$$

4.
$$5x^2 + 14xy - 3y^2$$

5.
$$4x^2 - 14x - 8$$

1.
$$15m^5n^3p - 30n^7p^3 + 60m^4n^8p^5$$

 $15n^3p (m^5 - 2n^4p^2 + 4m^4n^5p^4)$

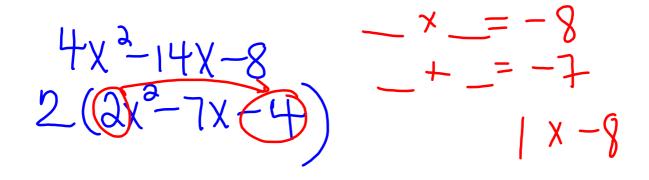
2.
$$x^2 - 2x - 35$$
 $-^+ - ^{= -2}$
 $-^{\times} - ^{= -35}$
 $(x + 5) (x - 7)$

3.
$$270xy^2 - 180x^3y - 90xy$$

$$90xy (3y - 2x^2 - 1)$$

4.
$$5x^2 + 14xy - 3y^2$$

$$5x^2 + 14xy - 3y^2$$



$$\frac{35x - 11x - 6}{35x + 10^{13}} = \frac{35x - 31}{35}$$

$$\frac{35x + 10^{13}}{35} = \frac{35x - 31}{35}$$

$$\frac{35x + 10^{13}}{35} = \frac{35x - 31}{35}$$

$$\frac{35x - 35}{35} = \frac{35x - 35}{35}$$

$$\frac{35x - 35}{35} = \frac{35x - 35}{35}$$