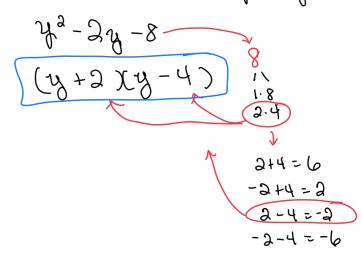
¥

1. Factor the following trinomial. $r^{2} - 1/r + 30$

$$\Gamma^{9} - 11r + 30$$

 $(\Gamma - 5)(\Gamma - 6)$
 30
 30
 $1 \cdot 30$
 $3 \cdot 15$
 $3 \cdot 10$
 $5 \cdot 6$
 $5 - 6 = -1$
 $-5 - 6 = -11$

2. Factor the following trinomial. $\chi^2 - \Im \chi - \Im$



To factor:.

* Make 2 sets of () ().

* Write down the variable in each one.

(here it is a y)

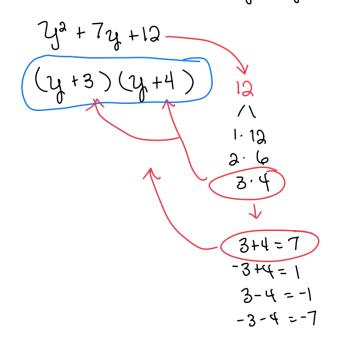
* Write down the last number to the side, and then list all the sets of numbers that multiply together to get that number.

* Decide which pair can add or subtract to get the middle number.

* Write those numbers in your parenthesis and then decide what the signs should be.

3. Factor the following trinomial.

ya +7y +12



To factor:.

* Make 2 sets of () ().

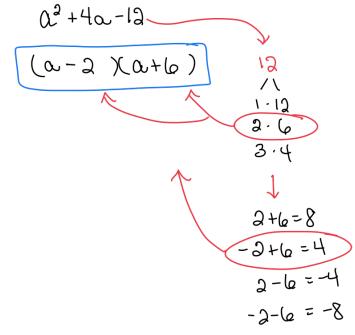
* Write down the variable in each one. (here it is a y)

* Write down the last number to the side, and then list all the sets of numbers that multiply together to get that number.

* Decide which pair can add or subtract to get the middle number.

* Write those numbers in your parenthesis and then decide what the signs should be.





To factor:.

* Make 2 sets of ()().

* Write down the variable in each one. (here it is a y)

* Write down the last number to the side, and then list all the sets of numbers that multiply together to get that number.

* Decide which pair can add or subtract to get the middle number.

* Write those numbers in your parenthesis and then decide what the signs should be.

each tem by Factored out 5. Factor the following trinomial. $10y^{2} + 80y + 150$ 10y+80y+150 Factor out what all the terms have in $10y^{2} + 80y + 150$ common first. * Then make a set of () and write down what's left over inside them. * Then make 2 sets of () (). 10(y + 8y + 15 * Write down the variable in each one. (here it is a y) * Write down the last number to the side, 5 +3)(4+5 and then list all the sets of numbers 10 1 that multiply together to get that 1.15 number. * Decide which pair can add or subtract 3.5 to get the middle number. * Write those numbers in your parenthesis and then decide what 3+5=8 the signs should be. -3+5 =2 3-5--2 rde each for by the wrole down -3-5 =-8 6. Factor the following trinomial. $3y^2 - 9y - 84$ 3y - 9y - 84 3y2-9y-84 * Factor out what all the terms have in common first. 3(y² -3y -28) * Then make a set of () and write down what's left over inside them. 28 * Then make 2 sets of () (). * Write down the variable in each one. /3(y+4)(y (here it is a y) 1.28 * Write down the last number to the side, 2.14 and then list all the sets of numbers that multiply together to get that 4.7 number. * Decide which pair can add or subtract \mathbf{J} to get the middle number. * Write those numbers in your 4+7=11 parenthesis and then decide what -4+7 = 3 the signs should be. 4-7 = -3