

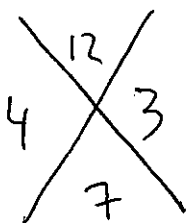
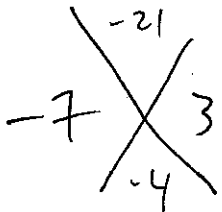
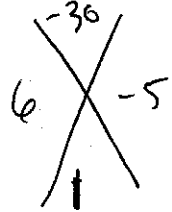
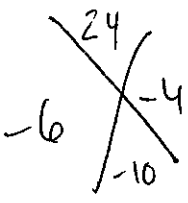
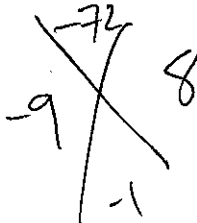
Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Factorize the Trinomials**

Problems

Work Space

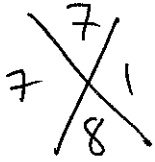
$x^2 + 7x + 12$ $(x+4)(x+3)$ Answer:	
$x^2 - 4x - 21$ $(x-7)(x+3)$ Answer:	
$m^2 + m - 30$ $(x+6)(x-5)$ Answer:	
$y^2 - 10y + 24$ $(x-6)(y-4)$ Answer:	
$a^2 - a - 72$ $(a-9)(a+8)$ Answer:	

Factoring Trinomials (a = 1)

Factor each completely.

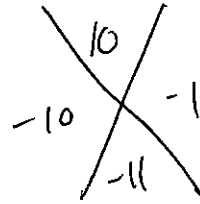
1)  $b^2 + 8b + 7$

$(b+7)(b+1)$



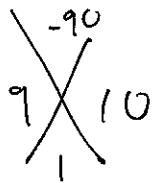
2)  $n^2 - 11n + 10$

$(n-10)(n-1)$



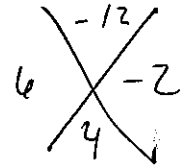
3)  $m^2 + m - 90$

$(m-9)(m+10)$



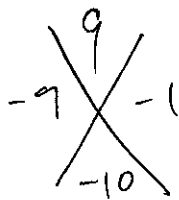
4)  $n^2 + 4n - 12$

$(n+6)(n-2)$



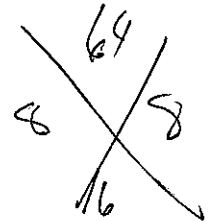
5)  $n^2 - 10n + 9$

$(n-9)(n-1)$



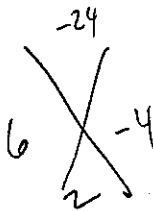
6)  $b^2 + 16b + 64$

$(b+8)(b+8)$



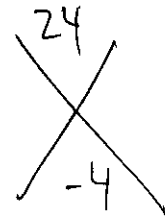
7)  $m^2 + 2m - 24$

$(m+6)(m-4)$



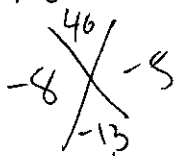
8)  $x^2 - 4x + 24$

X  
No combo



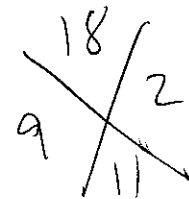
9)  $k^2 - 13k + 40$

$(k-8)(k-5)$



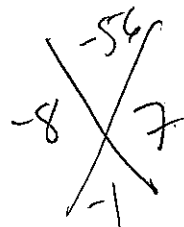
10)  $a^2 + 11a + 18$

$(a+9)(a+2)$



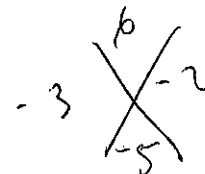
11)  $n^2 - n - 56$

$(n-8)(n+7)$



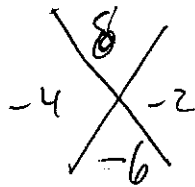
12)  $n^2 - 5n + 6$

$(n-3)(n-2)$



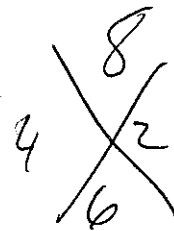
13)  $b^2 - 6b + 8$

$(b-4)(b-2)$



14)  $n^2 + 6n + 8$

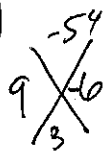
$(n+4)(n+2)$



15)  $2n^2 + 6n - 108$

$2(n^2 + 3n - 54)$

$2(n+9)(n-6)$



16)  $5n^2 + 10n + 20$

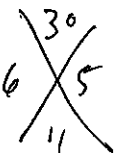
$5(n^2 + 2n + 4)$   
No combo



17)  $2k^2 + 22k + 60$

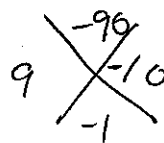
$2(k^2 + 11k + 30)$

$2(k+6)(k+5)$



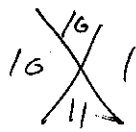
18)  $a^2 - 1a - 90$

$(a+9)(a-10)$



19)  $p^2 + 11p + 10$

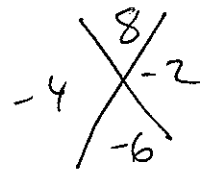
$(p+10)(p+1)$



20)  $5v^2 - 30v + 40$

$5(v^2 - 6v + 8)$

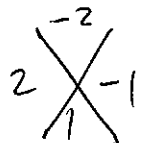
$5(v-4)(v-2)$



21)  $2p^2 + 2p - 4$

$2(p^2 + p - 2)$

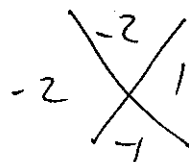
$2(p+2)(p-1)$



22)  $4v^2 - 4v - 8$

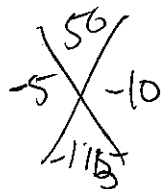
$4(v^2 - v - 2)$

$4(v-2)(v-1)$



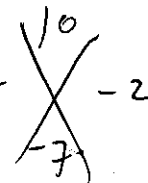
23)  $x^2 - 15x + 50$

$(x-5)(x-10)$



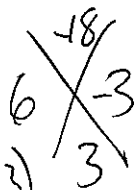
24)  $v^2 - 7v + 10$

$(v-5)(v-2)$



25)  $p^2 + 3p - 18$

$(p+6)(p-3)$



26)  $6v^2 + 66v + 60$

$6(v^2 + 11v + 10)$

$6(v+10)(v+1)$

