Key

What Happened When the Boarding House Blew Up?

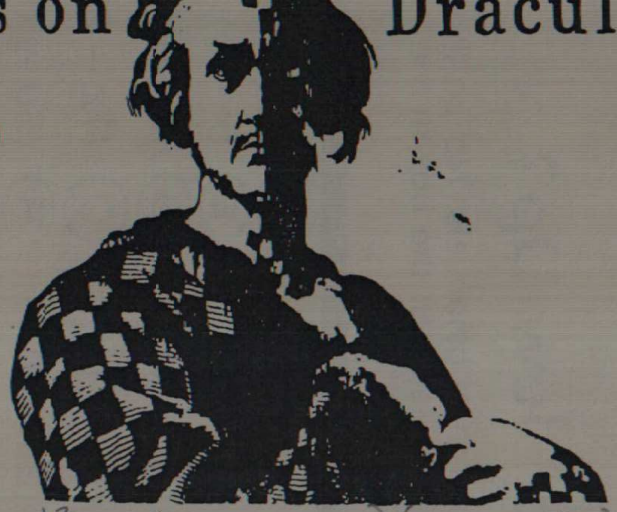
Factor each trinomial below. Find one of the factors in **each** column of binomials. Notice the letter next to one factor and the number next to the other. Write the letter in the box at the bottom of the page that contains the matching number.

(1) $3x^2 + 7x + 2$ $(3x+1)(x+2)$		(5) $(5u + 3)$	(Y) $(3u - 2)$
(2) $2x^2 + 5x + 3$ $(2x+3)(x+1)$		(3) $(x - 1)$	(E) $(x - 5)$
(3) $3x^2 - 16x + 5$ $(3x-1)(x-5)$		(8) $(3x + 1)$	(G) $(8u - 1)$
(4) $7x^2 - 9x + 2$ $(7x-2)(x-1)$		(14) $(3u - 1)$	(O) $(7x - 2)$
(5) $6u^2 + 5u + 1$ $(3u+1)(2u+1)$		(6) $(2u + 3)$	(R) $(5u + 1)$
(6) $8u^2 - 9u + 1$ $(8u-1)(u-1)$		(15) $(x + 1)$	(W) $(x + 2)$
(7) $10u^2 + 17u + 3$ $(5u+1)(2u+3)$		(9) $(5u + 6)$	(L) $(7x + 2)$
(8) $9u^2 - 9u + 2$ $(3u-1)(3u-2)$		(7) $(2u + 1)$	(I) $(2x + 3)$
(9) $5u^2 + 11u + 6$ $(5u+6)(u+1)$		(11) $(3x - 1)$	(E) $(u + 1)$
		(17) $(u - 1)$	(S) $(3u + 1)$

(10) $3n^2 + 2n - 1$ $(3n-1)(n+1)$		(12) $(3t - 1)$	(N) $(n + 3)$
(11) $5n^2 - 4n - 1$ $(5n+1)(n-1)$		(5) $(n - 1)$	(R) $(t - 1)$
(12) $2n^2 + 5n - 3$ $(2n-1)(n+3)$		(4) $(3t + 1)$	(P) $(2t + 1)$
(13) $7n^2 - 13n - 2$ $(7n+1)(n-2)$		(10) $(n - 2)$	(O) $(n + 1)$
(14) $3t^2 + 14t - 5$ $(3t-1)(t+5)$		(13) $(t + 1)$	(F) $(t + 5)$
(15) $4t^2 - 11t + 7$ $(4t-7)(t-1)$		(2) $(3n - 1)$	(E) $(5n + 1)$
(16) $6t^2 + 5t - 1$ $(6t-1)(t+1)$		(16) $(2n - 1)$	(M) $(t - 7)$
(17) $3t^2 - 20t - 7$ $(3t+1)(t-7)$		(4) $(3t - 7)$	(R) $(7n + 1)$
		(1) $(4t - 7)$	(L) $(6t - 1)$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

What Do You Call Drawing Squares on Dracula?



Factor each trinomial below. Find both factors in the rectangle below and cross out each box containing a factor. You will cross out **two** boxes for each exercise. When you finish, print the letters from the remaining boxes in the squares at the bottom of the page.

1. $6x^2 + 19x + 3$ $(6x+1)(x+3)$
2. $5x^2 - 9x - 2$ $(5x+1)(x-2)$
3. $9x^2 + 15x + 4$ $(3x+1)(3x+4)$
4. $7x^2 + x - 8$ $(7x+8)(x-1)$
5. $2x^2 - 21x + 40$ $(2x-5)(x-8)$
6. $15m^2 + 19m + 6$ $(3m+3)(5m+2)$
7. $8m^2 - 5m - 3$ $(8m+3)(m-1)$
8. $4m^2 - 17m + 18$ $(4m-9)(m-2)$
9. $14m^2 + 17m - 22$ $(14m-11)(m+2)$
10. $3m^2 - m - 30$

BI $(4m-9)$	TH $(3x+1)$	TE $(m-2)$	CH $(m-3)$	OP $(2x-5)$	AR $(3m-10)$	AN $(14m-11)$	EC $(2m-3)$	HS $(5x+1)$
SU $(6x+1)$	KI $(15m+1)$	LL $(x+3)$	SS $(m+2)$	NG $(x+4)$	NE $(5m+3)$	SU $(x-2)$	CK $(3m+2)$	AC $(9x+2)$
AB $(7x+8)$	EN $(3x+4)$	OU $(7x+2)$	GH $(8m+3)$	PI $(m+3)$	NT $(7m+2)$	LO $(x-8)$	VE $(m-1)$	OD $(x-1)$
