Why Didn't Klutz Do Any Homework on Saturday?

Either multiply or factor, as directed, and find your answer in the adjacent answer column. Write the letter of that exercise in the box that contains the number of the answer.

Multiply:

(I)	$(a+5)(a-5)$	(4) $16a^2-b^2$
(D)	$(2+3a)(2-3a)$	(13) $49a^2-1$
(E)	$(7a-1)(7a+1)$	(6) a^2-25
(N)	$(a^2-6)(a^2+6)$	(17) $4a^4-25b^2$
(A)	$(4a+b)(4a-b)$	(15) $4-9a^2$
(O)	$(2a^2-5b)(2a^2+5b)$	(12) $4a^4-36$
		(24) a^4-36

Factor:

(S)	x^2-y^2	(3) $(9x+10y)(9x-10y)$
(I)	$4x^2-49y^2$	(5) $(x+y)(x-y)$
(W)	$81x^2-100y^2$	(7) $(x^2+20)(x^2-20)$
(E)	$36x^2-121y^2$	(11) $(6x+11y)(6x-11y)$
(O)	$9x^2-64y^2$	(16) $(3x+7y)(3x-7y)$
(N)	x^4-400	(22) $(2x+7y)(2x-7y)$
		(23) $(3x+8y)(3x-8y)$

Factor:

(E)	n^2-49	(1) $(2n+3)(2n-3)$
(A)	n^2-1	(10) $(12+5n)(12-5n)$
(N)	$81-n^2$	(8) $(n+1)(n-1)$
(H)	$4n^2-9$	(5) $(7n+3)(7n-3)$
(I)	$49n^2-16$	(2) $(n+7)(n-7)$
(E)	$144-25n^2$	(18) $(9+n)(9-n)$
		(20) $(7n+4)(7n-4)$

Factor:

(T)	a^6-b^4	(19) $(4+a^2b^3)(4-a^2b^3)$
(C)	$25a^8-9b^4$	(14) $(2a^8+15)(2a^8-15)$
(W)	a^2b^2-36	(21) $(a^3+b^2)(a^3-b^2)$
(D)	$16-a^4b^6$	(12) $(ab^2+c^4)(ab^2-c^4)$
(K)	$a^2b^4-c^8$	(9) $(ab+6)(ab-6)$
(N)	$4a^{16}-225$	(16) $(5a^4+3b^2)(5a^4-3b^2)$
		(10) $(4+ab^4)(4-ab^4)$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

OBJECTIVE 3–h: To simplify products of the form $(a+b)(a-b)$; to factor differences of squares.