FACTORING POLYNOMIALS

INT. ALG. APPEARANCES: fall0706ia, 060804ia multiple choice
MATH A APPEARANCES: 080434a, 080533a 2-pointer
010105a, 060109a, 080103a, 010201a, 010414a, 080711a
multiple choice

	REGENTS QUESTIONS	SOLUTIONS
1	**080818a** The greatest common factor of $4a^2b$ and $6ab^3$ is (1) $2ab$ (3) $12ab$ (2) $2ab^2$ (4) $24a^3b^4$	(1)
2	**060421a** If $3x$ is one factor of $3x^2 - 9x$, what is the other factor? (1) $3x$ (3) $x - 3$ (2) $x^2 - 6x$ (4) $x + 3$	(3) $3x^2 - 9x$ $3x(x - 3)$
3	**060318a** If one factor of $56x^4y^3 - 42x^2y^6$ is $14x^2y^3$, what is the other factor? (1) $4x^2 - 3y^3$ (3) $4x^2y - 3xy^3$ (2) $4x^2 - 3y^2$ (4) $4x^2y - 3xy^2$	(1) $56x^4y^3 - 42x^2y^6$ $14x^2y^3(4x^2 - 3y^3)$
4	**010004a** Which expression is a factor of $x^2 + 2x - 15$ (1) $(x - 3)$ (3) $(x + 15)$ (2) $(x + 3)$ (4) $(x - 5)$	(2) $x^2 + 2x - 15$ $(x + 5)(x - 3)$
5	**060206a** Which expression is a factor of $n^2 + 3n - 54$? (1) $n + 6$ (3) $n - 9$ (2) $n^2 + 9$ (4) $n + 9$	(4) $n^2 + 3n - 54$ $(n + 9)(n - 6)$
6		(2)