PERMUTATIONS

INT. ALG. APPEARANCES: 060808ia, 080816ia multiple choice
060931ia 2-pointer

MATH A APPEARANCES: 080034a 4-pointer
060329a 3-pointer
060023a, 060125a, 010323a, 010435a 2-pointer
089917a, 010013a, 060016a, 010114a, 080107a, 080503a, 060605a, 080616a, 010713a, 060723a, 080727a, 010829a, 060814a, 010925a multiple choice

	REGENTS QUESTIONS	SOLUTIONS
1	**080107a** The value of 5! is (1) $\frac{1}{5}$ (3) 20 (2) 5 (4) 120	(4) $5! = 5\times4\times3\times2\times1 = 120$
2	**060814a** An expression equivalent to 3! is (1) $3\cdot3$ (3) $3\cdot3\cdot3$ (2) $3\cdot2\cdot1$ (4) -3	(2)
3	**080503a** The value of $\frac{7!}{3!}$ is (1) 840 (3) 7 (2) 24 (4) 4	(1) $\frac{7!}{3!} = \frac{7\times6\times5\times4\times3\times2\times1}{3\times2\times1} = 840$
4	**060605a** What is the value of $\frac{8!}{4!}$? (1) 1,680 (3) 2! (2) 2 (4) 4!	(1) $\frac{8!}{4!} = \frac{8\times7\times6\times5\times4\times3\times2\times1}{4\times3\times2\times1} = 1{,}680$
5	**010713a** Which value is equivalent to ${}_3P_3$? (1) 1 (3) 3! (2) 9 (4) 27	(3)