

NAME	Solutions
SCHOOL	Individual

WORCESTER POLYTECHNIC INSTITUTE

THIRTEENTH ANNUAL INVITATIONAL MATH MEET
 OCTOBER 26, 2000
 INDIVIDUAL EXAM **ANSWER SHEET**

QUESTION	ANSWER	SCORE		QUESTION	ANSWER	SCORE
1	$966^{2/3}$ or $\frac{2900}{3}$			5	$\frac{10\pi}{3} + 4$ or $\frac{10\pi + 12}{3}$	
2	$-\frac{7}{8}$			6	$1 - \frac{(365)(364) \dots (365 - n + 1)}{(365)^n}$	
3	$\frac{2(\pi + 2)}{\pi}$ or $2 + \frac{4}{\pi}$			7	$31 \left(1 - \frac{1}{101}\right)$ or $\frac{3100}{101}$	
4	21			8	$\frac{1}{\sqrt{8}}$ or $\frac{1}{2\sqrt{2}}$	
# CORRECT \times 1 =				# CORRECT \times 2 =		

QUESTION	ANSWER	SCORE
9	$\frac{11!}{8}$ or 4,989,600	
10	1:3	
11	30	
# CORRECT \times 3 =		

Individual Total