

NAME Key

SCHOOL _____

WORCESTER POLYTECHNIC INSTITUTE

FIFTEENTH ANNUAL INVITATIONAL MATH MEET
 OCTOBER 17, 2002
 INDIVIDUAL EXAM ANSWER SHEET

QUESTION	ANSWER	SCORE	QUESTION	ANSWER	SCORE
1	$\sqrt{20}$ or $2\sqrt{5}$		5	7 or -12	
2	$36\sqrt{3} - \frac{432}{7+4\sqrt{3}}$ or $\frac{252\sqrt{3}}{7+4\sqrt{3}}$		6	$(-1)^n \frac{n^3}{1+2n^2}$	
3	$a = -2$		7	864	
4	$3\pi - \frac{9\sqrt{3}}{2}$		8	$f^{-1}(t) = \frac{t}{1+t}$ (or any other variable)	
# CORRECT \times 1 =			# CORRECT \times 2 =		

QUESTION	ANSWER	SCORE
9	$x = 5$ or $(5, 0)$	
10	$2^{21} - 2$	
11	$\frac{2}{(x+1)}$	
# CORRECT \times 3 =		

Individual Total