

NAME Answer Key
 SCHOOL _____

WORCESTER POLYTECHNIC INSTITUTE

EIGHTEENTH ANNUAL INVITATIONAL MATH MEET
 OCTOBER 19, 2005
 INDIVIDUAL EXAM ANSWER SHEET

QUESTION	ANSWER	SCORE	QUESTION	ANSWER	SCORE
1	$0_{\text{mod } 7}$		5	$r^2 \left(\frac{5\pi}{6} + \frac{\sqrt{3}}{4} \right)$	
2	$\frac{729}{8}$ or 91.125		6	7550	
3	$y = \frac{5}{3}x + \frac{58}{9}$		7	$x = 10^{\frac{\pi}{3}}$	
4	$x = -1$ and 3		8	$x = 300$	
# CORRECT \times 1 =			# CORRECT \times 2 =		

QUESTION	ANSWER	SCORE
9	26''	
10	$k = 86$	
11	6	
# CORRECT \times 3 =		

Individual Total