

SCHOOL \_\_\_\_\_

**WORCESTER POLYTECHNIC INSTITUTE**

NINETEENTH ANNUAL INVITATIONAL MATH MEET

OCTOBER 18, 2006

TEAM EXAM **ANSWER SHEET**

QUESTION	ANSWER	SCORE	QUESTION	ANSWER	SCORE
<b>1</b>	$(n^2 - 3n + 2)/(4n - 2)$		<b>8</b>	$8\pi\sqrt{3}/3$ or $8\pi/\sqrt{3}$	
<b>2</b>	89		<b>9</b>	b = -5	
<b>3</b>	x = -1/3		<b>10</b>	x = 1, 5, -5/4, 41	
<b>4</b>	$x + 2\sqrt{x} + 1$		<b>11</b>	130°	
<b>5</b>	r = 2		<b>12</b>	2/15	
<b>6</b>	n		<b>13</b>	(3 +/- sqrt(7), -5)	
<b>7</b>	2501		<b>14</b>	142	

**Team Total**

# CORRECT × 3 =	
<b>Individual Totals</b>	

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