

Answer Sheet
Dual Dig Level II
March 11, 2006

KEY

1.

$$y = 2x^2 - 3x + 2$$

2.

$$y = \frac{1}{2}(x-5)(x-2)(x+4)$$

3.

$$-6x - 10 \text{ or } \frac{-6x - 10}{2x^2 + 6} \text{ or } -\frac{3x + 5}{x^2 + 3}$$

4.

45 hours

5.

60°

6.

5

7.

108°

8.

7

9.

$48 + 24\sqrt{2}$ inches

10.

60

11.

$$(x+1)(x-1)(x+3)$$

12.

$$\frac{1}{3}$$

13.

80 points

14.

104 diagonals

15.

-1

16.

$$\frac{1 + \sqrt{5}}{2} \text{ or } \varphi$$

17.

0.28 cm

18.

4

19.

$$\frac{2}{3}$$

20.

$$\frac{36}{91}$$

Number Right
- Number Wrong
Score

	×	0.5	=	