

Answer Sheet

Dual Dig Level II

March 8, 2008

Name: \_\_\_\_\_

Name: \_\_\_\_\_

School: \_\_\_\_\_

1. \_\_\_\_\_ 21

11. \_\_\_\_\_ 120

2. \_\_\_\_\_  $f(x) = e^x, g(x) = \ln x$

12. \_\_\_\_\_  $\frac{3 \text{ in.}}{8\pi \text{ sec.}}$

3. \_\_\_\_\_ 8

13. \_\_\_\_\_ 0.4 hr. or  $\approx 12.24$  p.m

4. \_\_\_\_\_ 495,450

14. \_\_\_\_\_ 66

5. \_\_\_\_\_ 18

15. \_\_\_\_\_  $2102.62 \approx 2103$  years

6. \_\_\_\_\_  $3Cis \frac{3\pi}{2}$

16. \_\_\_\_\_  $58\frac{1}{2}$

7. \_\_\_\_\_  $x = 2$  and  $x = -2$

17. \_\_\_\_\_  $p = 2, q = 3$

8. \_\_\_\_\_  $\frac{2}{7}$

18. \_\_\_\_\_  $\angle m = \frac{1}{2}(\angle p + \angle q)$

9. \_\_\_\_\_  $x = 3, -3, 1+i, 1-i$   
or  $\{3, -3, 1+i, 1-i\}$

19. \_\_\_\_\_  $x = -1, y = 2$

10. \_\_\_\_\_  $y = \frac{1}{2}$

20. \_\_\_\_\_ 720

Number Right

- Number Wrong  x 0.5 =

Score