

Skyview Invitational Games for Mathematical Achievement  
Speed Math– 2006-2007 ROUND 2 KEY

Name \_\_\_\_\_ School \_\_\_\_\_  
Division (circle one)    Mu    Alpha    Theta

Score: \_\_\_\_\_  
Verify: \_\_\_\_\_

Instructions: Write all answers in EXACT form in the box. Anything outside the answer box will be disregarded. Leave all answers in terms of  $\pi$  and reduced radicals. Express all fractions in improper form reduced to lowest terms. Make sure you write your answer in the correct box. You will have 15 minutes.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.

1. $27\sqrt{3}/2$	1. $27\sqrt{3}/2$
2. 2	2. 2
3. $8/221$	3. $8/221$
4. <b>B</b>	4. A / <b>B</b>
5. $9/2$	5. $9/2$
6. $-16/25$	6. $-16/25$
7. x	7. x
8. $9/47$	8. $9/47$
9. $-7/3$	9. $-7/3$
10. $\sqrt{5}$	10. $\sqrt{5}$
11. 36	11. 36
12. $311_6$	12. $311_6$
13. 15	13. 15
14. -36	14. -36
15. 15	15. 15
16. \$1124.86	16. \$1124.86
17. $-\sqrt[3]{2}$	17. $-\sqrt[3]{2}$
18. $117/125$	18. $117/125$
19. 4	19. 4
20. $\pi$	20. $\pi$