

INDIVIDUAL ANSWERS

1. D
2. C
3. B
4. B
5. B
6. E (y can take on infinitely many values)
7. ● Δ
8. E (24/7 hours)
9. A
10. C
11. D
12. D
13. B
14. B
15. B
16. B
17. B
18. E (0)
19. C
20. B
21. D
22. B
23. C
24. C
25. A
26. C
27. B
28. D
29. C
30. C

TEAM ROUND ANSWERS

1. 14
2. 1
3. 7, 7th, or February 7 (any of these should be accepted)
4. $\frac{\sqrt{2}}{2} - \frac{2}{3}$ or $\frac{3\sqrt{2} - 4}{6}$
5. 144
6. $39/2$ or 19.5
7. 0
8. -84
9. 100
10. $23/2$
11. 65
12. 32
13. $60/11$
14. 27
15. 224