Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_

Multiple Choice. Choose the BEST answer.

1. Classify $\frac{56}{3}.$
2. Real
3. Real, rational, whole, integer
4. Real, rational
5. Real, rational, integer
6. Classify $\sqrt{5}.$
7. Irrational
8. Rational
9. Real, irrational
10. Real, rational, integer
11. Classify $84+\sqrt{36}+\sqrt[3]{8}$
12. Real, rational, whole, natural, integer
13. Real, irrational
14. Real, irrational, whole, integer
15. Real, rational, whole, integer
16. Classify $\sqrt{70}$
17. Real, irrational
18. Real, rational
19. Real, rational, integer
20. Real, rational, whole, integer, natural
21. Classify $\frac{1}{3}$
22. Real, rational
23. Real, rational, integer
24. Real, irrational, whole, natural
25. Real, rational, whole, natural, integer
26. Classify $0.3527972…$
27. Real, rational, whole
28. Real, rational, integer
29. Real, irrational, whole
30. Real, irrational
31. Classify $0$
32. Real, irrational
33. Real, rational, whole, natural, integer
34. Real, rational, whole, integer
35. Real, rational, integer
36. Classify $\sqrt{400}$
37. Real, rational, whole, natural, integer
38. Real, irrational, integer
39. Real, whole, integer
40. Rational
41. Which of the following numbers are real?
42. $\sqrt{7}$
43. $0.05356342$
44. $\frac{1}{4}$
45. All of the above
46. Which of the following numbers are irrational?
47. 9.837412
48. 0.2345
49. $\sqrt[3]{10}$
50. $\frac{2}{10}$

ANSWER KEY:

1. C – Fraction
2. C – Non perfect square
3. A – 84 + 6 + 2 = 92
4. A – Non perfect square
5. A – Fraction/repeating decimal
6. D – Non terminating decimal
7. C – 0 is not a natural number
8. A – 20
9. D – rational and irrational numbers are real numbers
10. C – non perfect cube