

Name: _____

ID: A

10. It took a scuba diver 10 minutes to dive down 600 feet from the surface of a lake. What is the rate of change of the scuba diver's altitude in feet per minute?
11. Write the additive inverse to $24 - 7$.
12. What type of number cannot be written as a fraction?
13. How do you change $\frac{7}{16}$ to a decimal?
14. Estimate to the nearest whole number: 4π
15. Which 2 consecutive whole numbers is the $\sqrt{45}$ in between?
16. To what classification of numbers (natural, whole, integer, rational, irrational) does $\sqrt{5}$ belong?
17. Write the answer using a positive exponent: $\frac{4^{-7}}{4^{-4}}$
18. Write the answer using an exponent. $(6^4)^3$
19. How many times bigger is 4.5×10^6 compared to 1.5×10^5 ?
20. Simplify $(8a + 12) - (5a - 4)$
21. Simplify $(9a + 14) + (-6a - 9)$