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

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Review – Integers and Expressions**

**Simplify all problems unless noted otherwise.**

|  |  |  |
| --- | --- | --- |
| 1. -2y + 3(y - 8)  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 2. -8y + 6ab + 7 – 3ab  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 3. -7x + 3(2 + x)  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| 4. 5(-3c + 4d) + 2(-3c) – (-8d)  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 5.  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 6. 4 – (-7)  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| 7. -9 + (-14)  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 8. -5 • 4 • -2  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 9. -6 + 11 – (-6) – 2  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| 10. 4(2x – 7)  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 11. 100 – 10 ÷ [5 • (44 – 43)]  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 12. -12 ÷ (-5 +2) ÷ 2  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| 13. 15 • (10 – 23) ÷ 5 – 2  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 14. - l -12 l  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** | 15. l -18 |  **ANSWER:\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**For 16-18, translate each phrase into a mathematical expression.**

16.) Ten more than twice a number x \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17.) Five less than 4 times y \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18.) 7 more than a number z multiplied by 3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19.) Three more than 8 times as many trees Variable: \_\_\_\_

Stands for: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20.) 8 more than twice as many points as Bob Variable: \_\_\_\_

Stands for: \_\_\_\_\_\_\_\_\_\_\_\_

Expression: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Use the scenario to find the resulting value. Write your answer as an integer.**

21.) A submarine at the surface dives 280 ft. then rises 110 ft. Find the resulting depth.

22.) Kelsey started with $112. She spent $35, gave $40 to a friend, and received her $75 paycheck. How much does she have now?

23.) Juan owes his friend Jack $12 and his friend Amy $30. How much money does he have?