

Name: _____ Class: _____ Date: _____

Review 7th Grade Module 1 - Lesson 1-5

Answer Key

21.A

- 1. a
- 2. a
- 3. b
- 4. b
- 5. c
- 6. b
- 7. d
- 8. c
- 9. b
- 10. b
- 11. 256

$$a^4 = 2^4 = 2 \cdot 2 \cdot 2 \cdot 2 = 16$$

$$b^2 = 4^2 = 4 \cdot 4 = 16$$

$$a^4 \cdot b^2 = 16 \cdot 16 = 256$$

12.

$$\frac{2^5 \cdot 5^2 \cdot (-6)^4}{2^3 \cdot 5^2 \cdot (-6)^2}$$

Group by common base.

$$2^2 \cdot 5^0 \cdot (-6)^2$$

Subtract the exponents.

$$4 \cdot 1 \cdot 36$$

Simplify the powers.

$$144$$

Multiply.

- 13. b
- 14. c
- 15. b
- 16. c
- 17. a
- 18. b
- 19. d
- 20. d