6/5/2017 ch01_2rev HW-Ray Brown		Brown
Student: Date:	Instructor: Ray Brown Course: M050 Sum17 CAI 10	O52 G43 Assignment: ch01_2rev HW
	tch a video reviewing concepts in this chap or to help ensure your understanding of the	ter. You are encouraged to watch the video and work material.
True - I understand theFalse - I am not understand	he concept. erstanding the concept and intend to seek a	assistance.
1: http://www.screenca	st.com/t/hdgCN7lxsCg7	
Answer: True - I understa	and the concept.	
2. Solve the following equation	on.	
15 = m + 6		
The solution is(Simplify your answer.)	<u>.</u>	
Answer: 9		
3. Evaluate the following exp	ponential expression.	
10 ⁵ • 20		
10 ⁵ • 20 =	(Simplify your answer.)	

4. Solve the following equation.

$$x + 7 = 16$$

The solution is _____. (Simplify your answer.)

Answer: 9

5. Approximate the square root to the nearest whole number.

$$\sqrt{220}$$

√220 ≈ _____

6. Evaluate the expression.

$$8 + 18 \cdot 3 \div 6$$

$$8 + 18 \cdot 3 \div 6 =$$
 (Simplify your answer.)

Answer: 17

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7. Evaluate the expression.

$$\frac{(7-3)\cdot 2}{\sqrt{49}-3}$$

$$\frac{(7-3)\cdot 2}{\sqrt{49}-3} =$$
 (Simplify your answer.)

Answer: 2

8. Evaluate the expression.

$$36 - (8 \cdot 4 - (20 \div 1^4) + 3)$$

$$36 - (8 \cdot 4 - (20 \div 1^4) + 3) =$$
 (Simplify your answer.)

Answer: 21

9. Is 3x - 4 an equation or an expression?

Choose the correct answer below.

- O Expression
- Equation

Answer: Expression

10. Identify whether the following is an expression or an equation.

$$x + y = 9$$

Choose the correct answer below.

- Expression
- Equation

Answer: Equation

11. Determine whether the terms $4a^2x^3$ and $3a^2x^4$ are like or unlike.

Choose the correct answer below.

- \bigcirc **A.** The terms $4a^2x^3$ and $3a^2x^4$ are like terms.
- \bigcirc **B.** The terms $4a^2x^3$ and $3a^2x^4$ are unlike terms.

Answer: B. The terms $4a^2x^3$ and $3a^2x^4$ are unlike terms.

12. Determine whether the terms y⁴ and y are like or unlike.

Choose the correct answer below.

- \bigcirc **A.** The terms y^4 and y are like terms.
- \bigcirc **B.** The terms y^4 and y are unlike terms.

Answer: B. The terms y⁴ and y are unlike terms.

13. Simplify the algebraic expression.

$$5x + 11x$$

$$5x + 11x =$$

Answer: 16x

14. Insert < or > between the pair of integers to make a true statement.

Answer: <

15. Place the correct symbol, <, >, or =, in the blank between the expressions.

- (1) 🔾 =
 - O >
 - 0 <

Answer: (1) >

16. Find the following sum.

Answer: - 111

17. State the addition property illustrated by the following equation.

$$8 + (-9) = (-9) + 8$$

Choose the correct answer below.

- Identity property for addition
- Commutative property for addition
- Inverse property for addition
- Associative property for addition

Answer: Commutative property for addition

18. Evaluate the expression x + y for the given values of the variables.

$$x = -47, y = -5$$

$$x + y =$$
, for $x = -47$ and $y = -5$

Answer: - 52

19. A student's savings account starts the month with a balance of \$3058. The following positive entries (deposits) and negative entries (withdrawals) are made in the savings register.

What is the ending balance?

The ending balance is \$_____. (Simplify your answer.)

Answer: 2235

20. Find the difference -33 - (-40).

21. Simplify the following expression.

$$-33 + (-16) - (-40) + 29$$

Answer: 20

22. An overdrawn checking account has a balance of -\$41. An amount of money is deposited to bring the balance to \$120. How much money has been deposited?

The amount of \$_____ has been deposited. (Simplify your answer.)

Answer: 161

23. Multiply the following.

Answer: - 56

24. Multiply the following.

$$6(-2)(0)(3)$$

Answer: 0

25. State the multiplication property illustrated by the following equation.

$$15 \cdot (-28 \cdot 43) = (15 \cdot (-28)) \cdot 43$$

Choose the correct answer below.

- Associative property of multiplication
- Distributive property of multiplication
- Commutative property of multiplication

Answer: Associative property of multiplication

26. State the multiplication property illustrated by the following equation.

$$-347 \cdot 0 = 0$$

Choose the correct answer below.

- O Identity property of multiplication
- Zero property of multiplication
- Commutative property of multiplication

Answer: Zero property of multiplication

27. Evaluate.

Answer: - 343

28. Evaluate.

$$(-11)^3$$

Answer: - 1331

29. Evaluate the expression $3m + (4^2 + n)$ for for m = 7 and n = -32.

For m = 7 and n =
$$-32$$
, $3m + (4^2 + n) = _____$.
(Simplify your answer.)

Answer: 5

30. Evaluate the following expression.

$$34 - \left| 1 + 4^2 \div (-2) \right|$$

$$34 - |1 + 4^2 \div (-2)| =$$
 (Simplify your answer.)

31. Which of the following expressions are evaluated correctly?

Select all that apply.

$$\Box$$
 A. $\frac{1-3\times4}{-3+8} = -\frac{8}{5}$

$$\Box$$
 B. $-1-2^3=-9$

$$\Box$$
 C. $13-3^2 \div (-2) = \frac{35}{2}$

$$\Box$$
 D. 2-4÷2+4×(-2)=-8

E.
$$-4^2 = 16$$

Answer: B.
$$-1-2^3 = -9$$
, C. $13-3^2 \div (-2) = \frac{35}{2}$, D. $2-4 \div 2 + 4 \times (-2) = -8$

32. Solve the following equation.

$$16 - 2x = 2$$

The solution is

(Simplify your answer.)