

MAT 0018 Review for Chapters 1 and 2

Evaluate:

1. $567 + 383$

2. $462 - 397$

3. $48 \cdot 77$

4. $336 \div 6$

5. $909 \div 43$

6. Round to the nearest ten.

a. 467 b. 234

7. Estimate the sum by rounding each number to the nearest hundred.
 $4892 + 647 + 1876$

8. Write using exponential notation:

$$4 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \cdot 3$$

9. Simplify: 3^4

10. Simplify: $4 \cdot (2^3 - 8 \div 4 - 2)$

11. Evaluate: $2 + 4x^2$ when $x = 3$

12. Translate: “a number times twenty.”

13. Translate: “the difference of five and a number.”

14. Insert the correct symbol: $<$, $>$, $=$

a. -7 -2

b. $|-3|$ $-(-3)$

15. Add: a. $-7 + (-10) =$

b. $4 + (-2) =$

c. $(-10) + 5 =$

d. $(-3) + 2 + (-4) + (-7) + 5 + (-1) =$

16. Subtract: a. $-5 - 7 =$
 b. $4 - 8 =$
 c. $3 - (-5) =$
 d. $-2 - 7 + (-4) - (-3) + 1 =$

17. $(-3)(2)(-4)(-1) =$

18. $-36 \div (-9) =$

19. $\frac{-7}{0} =$

20. $(-4)^2 =$

21. $-4^2 =$

22. Simplify: a. $-|-7|$
 b. $-(-4)$

23. a. $(-12) + 25 \cdot 1 \div (-5)$
 b. $12 - [7 - (3 - 6)] + (2 - 3)^3$

24. a. $4^3 - (8 - 3)^2$
 b. $\frac{(-7)(-3) - (4)(3)}{3[7 \div (3 - 10)]}$

25. Evaluate $4x^2 - y$ when $x = -3$, $y = -11$

26. Find the perimeter of a rectangle with width = 5 ft and length = 10 ft.

27. Find the area of a rectangle with width = 5 ft and length = 10 ft.

28. Find the average of 72, 84, 95, and 77.

Know all translation terms from table on page 79 of text.

MAT 0018 Answers for Review for Chapters 1 and 2

1. 950
2. 65
3. 3696
4. 56
5. 21 R6
6. a. 470 b. 230
7. $4900 + 600 + 1900 = 7,400$
8. $4 \cdot 2^3 \cdot 3^2$
9. 81
10. 16
11. 38
12. $20x$
13. $5 - x$
14. a. $-7 < -2$ b. $|-3| = -(-3)$
15. a. -17, b. 2, c. -5, d. -8
16. a. -12, b. -4, c. 8, d. -9
17. -24
18. 4
19. undefined
20. 16
21. -16
22. a. -7 b. 4
23. a. -17
b. 1
24. a. 39
b. -3
25. 47 27. 50 square ft
26. 30 ft 28. Average = 82