

MAT 090 A Mock Test

Name _____
Spring 2015 Block 1

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

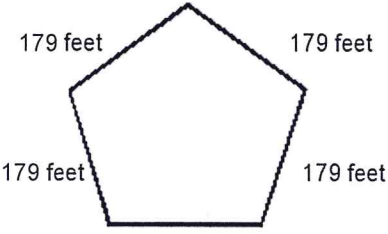
Write the whole number in words.

- 1) 9,300,695 1) _____
- A) ninety-three thousand, six hundred ninety-five
 - B) nine million, thirty thousand, six hundred ninety-five
 - C) nine million, three hundred thousand, six hundred ninety-five
 - D) nine million, three thousand, six hundred ninety-five

Write the whole number in expanded form.

- 2) 71,852 2) _____
- A) $7000 + 100 + 80 + 52$
 - B) 71,852
 - C) $20,000 + 5000 + 800 + 10 + 7$
 - D) $70,000 + 1000 + 800 + 50 + 2$

Find the perimeter.

- 3) 3) _____
- 
- A) 895 ft B) 32,041 ft C) 910 ft D) 1074 ft

Solve.

- 4) A consultant picks up a rental car that has an odometer reading of 20,736 miles on it. When she returns it, the odometer reads 21,642 miles. How many miles did she drive the rental car? 4) _____
- A) 1006 mi B) 6378 mi C) 906 mi D) 706 mi

Round the whole number to the given place.

- 5) 9123 to the nearest thousand 5) _____
- A) 8900 B) 9100 C) 10,000 D) 9000

Simplify.

- 6) $18 - (9 \div 3) + 3 \cdot 2^3$ 6) _____
- A) 48 B) 27 C) 144 D) 39

Evaluate the expression for the given replacement values.

7) $x^2 - 2y$ for $x = 8, y = 2$

7) _____

A) 68

B) 20

C) 60

D) 12

Write the phrase as a variable expression. Use x to represent "a number."

8) The quotient of 62 and a number

8) _____

A) $x - 62$

B) $62 - x$

C) $\frac{62}{x}$

D) $\frac{x}{62}$

Simplify.

9) $|-21|$

9) _____

A) 0

B) 21

C) 42

D) -21

Subtract.

10) $-8 - (-2)$

10) _____

A) 10

B) -10

C) -6

D) 6

Find the average of the list of numbers.

11) -12, 7, -3, 2, 9, -4, -13

11) _____

A) -1

B) -3

C) -2

D) 1

Simplify.

12) $(-4)^4$

12) _____

A) 0

B) ~~216~~
256

C) -16

D) ~~-216~~
-256

Simplify the expression by combining like terms.

13) $9a - 4a + a - 14$

13) _____

A) $5a - 13$

B) $5a - 14$

C) $5a + a - 14$

D) $6a - 14$

Multiply.

14) $-7(5a + 5)$

14) _____

A) $-12a - 12$

B) $-35a - 35$

C) $-2a - 2$

D) $-70a$

Simplify the expression.

15) $12(4z + 3) - 2$

15) _____

A) $48z + 1$

B) $48z + 34$

C) $16z + 13$

D) $40z + 30$

Solve the equation.

16) $39 = 9x + 3$

16) _____

A) 27

B) 1

C) 31

D) 4

17) $\frac{x}{8} + 7 = 0$

17) _____

A) -56

B) $\frac{7}{8}$

C) $-\frac{7}{8}$

D) 56

18) $3(x - 4) = 9$

18) _____

A) 1

B) -1

C) 7

D) -7

Write the sentence as an equation. Use x to represent "a number."

19) Five subtracted from a number equals 26.

19) _____

A) $x - 5 = 26$

B) $26 - 5 = x$

C) $5 - x = 26$

D) $5 + x = 26$

Solve.

20) The product of 5 and a number gives 35. Find the number.

20) _____

A) 8

B) 175

C) 7

D) 30

Answer Key

Testname: MAT 090 A MOCK TEST

- 1) C
- 2) D
- 3) A
- 4) C
- 5) D
- 6) D
- 7) C
- 8) C
- 9) B
- 10) C
- 11) C
- 12) B
- 13) D
- 14) B
- 15) B
- 16) D
- 17) A
- 18) C
- 19) A
- 20) C