

Exam

Name _____

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

Write the decimal as indicated.

- 1) 62.073, in words 1) _____
A) Sixty-two and seventy-three hundredths
B) Sixty-two and seventy-three ten-thousandths
C) Sixty-two and seventy-three tenths
D) Sixty-two and seventy-three thousandths

- 2) Five thousand and fifty-eight thousandths, in standard form 2) _____
A) 500.058 B) 5000.58 C) 5000.058 D) 5000.0058

Perform the indicated operation. Then estimate to see whether the proposed result is reasonable.

- 3) $3.083 + 4.12 + 10.298$ 3) _____
A) 9.261 B) 18.428 C) -3.095 D) 17.501

- 4) $-48.62 - 3.22$ 4) _____
A) 45.4 B) -51.84 C) -45.4 D) -50.84

- 5) $9.68 - 25.65$ 5) _____
A) -5.97 B) 35.33 C) 15.97 D) -15.97

- 6) 10.1×4.52 6) _____
A) 45.652 B) 35.552 C) 5.58 D) 14.62

- 7) $(-0.00849) \div (-0.28)$ 7) _____
A) 0.002 B) 32.98 C) -0.03 D) 0.03

Round the decimal to the indicated place value.

- 8) 11.288, nearest tenth 8) _____
A) 11.29 B) 11.3 C) 11.2 D) 11.4

- 9) 73.1124, nearest thousandth 9) _____
A) 73.111 B) 73.112 C) 73.113 D) 73.11

Insert <, >, or = to form a true statement.

- 10) 39.0606 _____ 39.6060 10) _____
A) > B) = C) <

- 11) $\frac{25}{9}$ _____ 2.776 11) _____
A) < B) > C) =

Write the decimal as a fraction or mixed number in simplest form.

12) 0.984

A) $\frac{1}{984}$

B) $\frac{1}{968,256}$

C) $\frac{123}{12}$

D) $\frac{123}{125}$

12) _____

13) -17.03

A) $-1\frac{703}{1000}$

B) $-170\frac{3}{10}$

C) $-17\frac{3}{100}$

D) -1703

13) _____

Write the fraction or mixed number as a decimal. If necessary, round to the nearest thousandth.

14) $-\frac{12}{25}$

A) -0.28

B) -0.4

C) -0.54

D) -0.48

14) _____

15) $\frac{8}{15}$

A) 0.532

B) 0.533

C) 0.333

D) 0.534

15) _____

Simplify.

16) $(-0.3)^2 + 1.71$

A) 1.8

B) -1.62

C) 1.11

D) 1.62

16) _____

17) $\frac{0.41 + 1.54}{-0.3}$

A) -65

B) -0.65

C) -0.065

D) -6.5

17) _____

18) $2.3x - 3.7 - 1.5x - 9.8$

A) $3.8x - 36.26$

B) $0.8x + 6.1$

C) $0.8x - 13.5$

D) $-12.7x$

18) _____

19) $0.8x + 1.4 = -3.4$

A) -2.5

B) -3.84

C) -6

D) -4.8

19) _____

20) $5(x + 5.1) = 9x + 15.9$

A) 2.4

B) -9.6

C) 13.6

D) -2.7

20) _____

Find the mean, median, and mode of the list of numbers.

21) 26, 31, 41, 42, 45

A) mean: 37; no median; mode: 36

B) mean: 37; median: 41.5; mode: 41

C) mean: 37; median: 41; no mode

D) mean: 41; median: 42; no mode

21) _____

22) 8, 10, 17, 17, 14, 12, 12, 13

A) mean: 12.5; median: 12.875; no mode

B) mean: 9.25; median: 15.5; no mode

C) mean: 12.875; median: 12.5; mode: 17 and 12

D) mean: 12.875; median: 13; mode: 14.5

22) _____

Find the grade point average. If necessary round to the nearest hundredth.

23)

23) _____

Grade	Credit Hours
A	4
B	3
C	3
A	4
A	1

A) 3.60

B) 3.20

C) 3.00

D) 3.40

Solve.

24) A country reports total exports of \$4,851 million last year. Write this number using standard notation.

24) _____

A) \$4,851,000,000

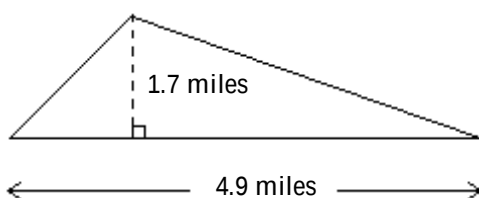
B) \$4,851

C) \$4,851,000,000,000

D) \$4,851,000

25) Find the area.

25) _____



A) 83.3 sq mi

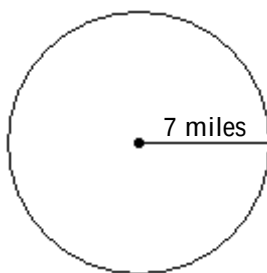
B) 4.165 sq mi

C) 833 sq mi

D) 0.833 sq mi

26) Find the exact circumference of the circle. Then use the approximation 3.14 for π and approximate the circumference.

26) _____



A) 14π mi, 44.1 mi

B) 49π mi, 153.86 mi

C) 7π mi, 21.98 mi

D) 14π mi, 43.96 mi

27) Nick is going to put insecticide on his lawn to control grubworms. The lawn is a rectangle that measures 227.7 feet by 81 feet. The amount of insecticide required is 0.08 ounces per square foot.

27) _____

a) Find the area of the lawn.

b) Find how much insecticide Nick needs to purchase.

A) a) 18,443.7 sq ft

B) a) 18,443.7 sq ft

C) a) 617.4 sq ft

D) a) 617.4 sq ft

b) 230,546.25 oz

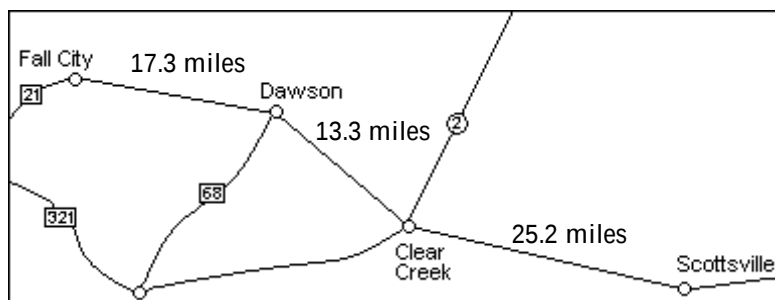
b) 1475.496 oz

b) 7717.5 oz

b) 49.392 oz

28) Find the total distance from Fall City to Scottsville.

28) _____



A) 59.8 mi

B) 42.5 mi

C) 55.8 mi

D) 30.6 mi

Answer Key

Testname: UNTITLED2

- 1) D
- 2) C
- 3) D
- 4) B
- 5) D
- 6) A
- 7) D
- 8) B
- 9) B
- 10) C
- 11) B
- 12) D
- 13) C
- 14) D
- 15) B
- 16) A
- 17) D
- 18) C
- 19) C
- 20) A
- 21) C
- 22) C
- 23) D
- 24) A
- 25) B
- 26) D
- 27) B
- 28) C