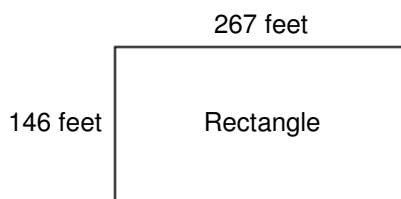
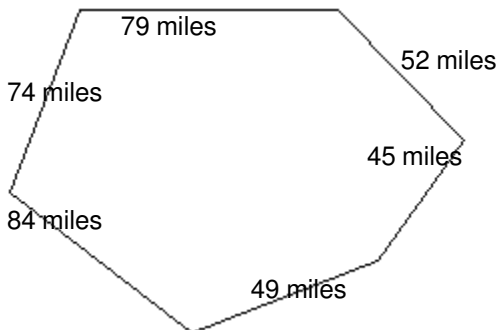


**Find the perimeter.**

1)



2)



**Solve.**

- 3) An apartment complex has 7 apartment buildings. Each building has 5 floors with 4 apartments per floor. Find how many apartments are in this complex.
- 4) During the recent Homecoming football game, State U. scored the following: 3 six-point touchdowns, 2 extra points, 2 three-point field goals, and 1 two-point safety. What was State U.'s final score?

**Choose the property that is used in the following statements. The properties are commutative, associative, identity, inverse and distributive. (choose one)**

- 5)  $12 + 13 = 13 + 12$
- 6)  $4 \cdot (6 \cdot 2) = 4 \cdot (2 \cdot 6)$
- 7)  $-2 ( 3 + 7 ) = -6 -14$

- 8)  $12 \cdot 1 = 12$
- 9)  $-10 + 10 = 0$
- 10)  $-15 \cdot (3 \cdot 7) = (-15 \cdot 3) \cdot 7$
- 11)  $(-15 + 3) + 7 = -15 + (3 + 7)$

**Write using exponential notation.**

- 12)  $13 \cdot 13 \cdot 13 \cdot 13$
- 13)  $6 \cdot 6 \cdot 3 \cdot 3 \cdot 3 \cdot 3$

**Evaluate.**

- 14)  $8^2$
- 15)  $(-3)^4$
- 16)  $-3^4$

**Simplify.**

- 17)  $3 \cdot 7 - 3$
- 18)  $\frac{183 + 7}{3^2 - 4}$

**Evaluate the expression for the given replacement values.**

- 19)  $\frac{x}{6} + \frac{y}{6}$  for  $x = 36, y = 30$

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

- 20) 6 more than 8 times a number
- 21) 4 less than 9 times a number
- 22) 62 subtracted from a number

**Represent the quantity by an integer.**

- 23) \$1050 in debt
- 24) 242 feet below sea level
- 25) a deposit of \$248.09 in your checkbook

**Insert < or > to make the statement true.**

- 26)  $9 \underline{\hspace{1cm}} -4$
- 27)  $-66 \underline{\hspace{1cm}} -10$

**Find the opposite of the integer.**

- 28) 25
- 29) -10

**Simplify.**

- 30)  $|-2|$
- 31)  $-|-10|$
- 32)  $-(-11)$

**Add.**

- 33)  $8 + (-63)$
- 34)  $-61 + 73$
- 35)  $22 + (-2) + (-13)$
- 36)  $-4 + 12 - (-13) + 6$

**Solve.**

- 37) The temperature at 5 p.m. on January 27 was  $-7^\circ$  Fahrenheit. By 9 p.m. the temperature had risen 25 degrees. Find the temperature at 9 p.m.
- 38) A deep-sea diver dives from the surface to 114 feet below the surface. She then dives down 15 more feet. Find the diver's depth.

**Perform the indicated operation.**

- 39)  $-3 - 6$
- 40)  $-15 - (-6)$
- 41)  $11 - (-8)$
- 42) Subtract 30 from -13.
- 43) Find the difference of -34 and -14.

**Solve.**

- 44) Ben lost \$169 on each of 6 consecutive days in the stock market. If he had \$16,252 before his loss, how much does he have after his loss?
- 45) The textbook for a history class costs \$55. There are 32 students in the class. Find the total cost of the history books for the class.

**Simplify.**

- 46)  $-2^3$
- 47)  $9 - 14 + 12$
- 48)  $19 - (-8)^2$
- 49)  $\frac{-60}{-8 - 7}$
- 50)  $\frac{-60 - 70}{-10}$
- 51)  $-7(2 - 3) - 8^3$
- 52)  $(-5)(4)^3 - (-2)(-9)$

**Evaluate the expression for  $x = -2$ ,  $y = 3$ ,  $z = -4$ .**

- 53)  $7 - z^2$
- 54)  $10x - y^2$
- 55)  $7x - 2y - 8z$

Answer Key

Testname: DSPM0700TEST1REVIEW

- |                                |              |
|--------------------------------|--------------|
| 1) 826 feet                    | 43) -20      |
| 2) 383 miles                   | 44) \$15,238 |
| 3) 140 apartments              | 45) \$1760   |
| 4) 28 points                   | 46) -8       |
| 5) Commutative                 | 47) 7        |
| 6) Commutative                 | 48) -45      |
| 7) Distributive                | 49) 4        |
| 8) identity                    | 50) 13       |
| 9) Inverse                     | 51) -505     |
| 10) Associative                | 52) -338     |
| 11) Associative                | 53) -9       |
| 12) $13^4$                     | 54) -29      |
| 13) $6^2 \cdot 3^4$            | 55) 12       |
| 14) 64                         |              |
| 15) 81                         |              |
| 16) -81                        |              |
| 17) 18                         |              |
| 18) 38                         |              |
| 19) 11                         |              |
| 20) $8x + 6$                   |              |
| 21) $9x - 4$                   |              |
| 22) $x - 62$                   |              |
| 23) -1050                      |              |
| 24) -242                       |              |
| 25) 248.09                     |              |
| 26) $9 > -4$                   |              |
| 27) $-66 < -10$                |              |
| 28) -25                        |              |
| 29) 10                         |              |
| 30) 2                          |              |
| 31) -10                        |              |
| 32) 11                         |              |
| 33) -55                        |              |
| 34) 12                         |              |
| 35) 7                          |              |
| 36) 27                         |              |
| 37) $18^\circ$                 |              |
| 38) 129 feet below the surface |              |
| 39) -9                         |              |
| 40) -9                         |              |
| 41) 19                         |              |
| 42) -43                        |              |