

# Chapter 10 Cumulative Review

Circle the letter of the best answer.

- $3(x + y) - x + y =$   
 A.  $2x + 2y$       B.  $2x + 4y$       C.  $4x + 4y$       D.  $4x + 2y$
- Estimate  $79.783 \times 31.6691$   
 F. 240      G. 2,400      H. 24,000      J. 240,000
- In standard notation,  $9.03 \times 10^7$  is  
 A. 9,030,000,000      B. 9,030,000      C. 90,300,000      D. 903,000,000
- Which equation describes *four less than twice a number is negative eight*?  
 F.  $2x - 4 = -8$       G.  $4 - 2x = -8$       H.  $2(x - 4) = -8$       J.  $4x - 2 = -8$
- Which fraction is equal to 0.125?  
 A.  $\frac{1}{6}$       B.  $\frac{1}{7}$       C.  $\frac{1}{12}$       D.  $\frac{1}{8}$
- Which equation has  $y$ -intercept  $-3$ ?  
 F.  $3x - y = 3$       G.  $x - 3y = 3$       H.  $x + 3y = 3$       J.  $3x + 3 = y$
- The measure of the supplement of a  $71^\circ$  angle is  
 A.  $19^\circ$       B.  $17^\circ$       C.  $109^\circ$       D.  $107^\circ$
- Find the circumference of a circle with radius 18 cm.  
 F.  $18\pi$  cm      G.  $324\pi$  cm      H.  $36\pi$  cm      J.  $1,296\pi$  cm
- What space figure can you form from the net at the right?  
 A. square pyramid      B. triangular prism  
 C. triangular pyramid      D. square prism
- Figure  $A$  is a rectangle 8 in. long and 6.5 in. high. Figure  $B$  is a triangle 8 in. long and 6.5 in. high. Which statement is true about the areas of Figures  $A$  and  $B$ ?  
 F.  $A = B$       G.  $A \propto B$       H.  $A = \frac{1}{2}B$       J.  $A = 2B$
- A rectangle has a perimeter of 110 ft and a length of 23 ft. What is its area?  
 A.  $2,530 \text{ ft}^2$       B.  $32 \text{ ft}^2$       C.  $2,001 \text{ ft}^2$       D.  $736 \text{ ft}^2$

Find the area of each figure to the nearest tenth.

