

Step 1:  $4(2x + 7) - 6 = 3x$

Step 2: \_\_\_\_\_

Step 3:  $5x + 28 - 6 = 0$

Step 4:  $5x = -22$

Step 5:  $x = -4.4$

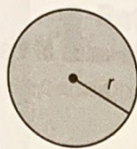
A  $4(2x - 6) + 7 = 3x$

B  $4(2x + 1) = 3x$

C  $8x + 7 - 6 = 3x$

D  $8x + 28 - 6 = 3x$

66. **GEOMETRY** The area of a circle is  $25\pi$  square centimeters. What is the circumference?



- F  $625\pi$  cm  
G  $50\pi$  cm  
H  $25\pi$  cm  
J  $10\pi$  cm

67. Tanya makes \$5 an hour and 15% commission of the total dollar value on cosmetics she sells. Suppose Tanya's commission is increased to 17%. How much money will she make if she sells \$300 worth of product and works 30 hours?

- A \$201                      C \$255  
B \$226                      D \$283

68. **EXTENDED RESPONSE** John's mother has agreed to take him driving every day for two weeks. On the first day, John drives for 20 minutes. Each day after that, John drives 5 minutes more than the day before.

- Write an expression for the minutes John drives on the  $n$ th day. Explain.
- For how many minutes will John drive on the last day? Show your work.
- John's driver's education teacher requires that each student drive for 30 hours with an adult outside of class. Will John's sessions with his mother fulfill this requirement?

## Spiral Review

Write and solve an equation for each sentence. (Lesson 2-4)

69. One half of a number increased by 16 is four less than two thirds of the number.
70. The sum of one half of a number and 6 equals one third of the number.
71. **SHOE** If  $\ell$  represents the length of a man's foot in inches, the expression  $2\ell - 12$  can be used to estimate his shoe size. What is the approximate length of a man's foot if he wears a size 8? (Lesson 2-3)

## Skills Review

Write an equation for each problem. Then solve the equation.

72. Seven times a number equals  $-84$ . What is the number?
73. Two fifths of a number equals  $-24$ . Find the number.
74. Negative 117 is nine times a number. Find the number.
75. Twelve is one fifth of a number. What is the number?

