



## Part 1

1. Let  $a \begin{array}{c} b \\ \times \\ c \\ \hline d \end{array} = (ab)c - d$ . Evaluate  $3 \begin{array}{c} 2 \\ \times \\ 0 \\ \hline 4 \end{array}$ .

- \_\_\_ A. 3
- \_\_\_ B. 4
- \_\_\_ C. -3
- \_\_\_ D. -4

2. If the hour and minute hands of a 12-hour clock read 5 o'clock, what is the measure of the smaller angle that is formed?

- \_\_\_ A.  $120^\circ$
- \_\_\_ B.  $150^\circ$
- \_\_\_ C.  $180^\circ$
- \_\_\_ D.  $240^\circ$

3. Sue is now  $k$  years old, and James is 4 years older than Sue was 5 years ago. In terms of  $k$ , how many years old is James now?

- \_\_\_ A.  $k - 5$
- \_\_\_ B.  $k - 1$
- \_\_\_ C.  $k + 4$
- \_\_\_ D.  $k + 5$

4. A bowler averages 185 pins per game over the first 12 games of a 15 round contest. What is the average number that the bowler needs for the next three games to have a 187 average for all 15 games?

- \_\_\_ A. 187
- \_\_\_ B. 189
- \_\_\_ C. 193
- \_\_\_ D. 195