

# Diagnostic Test Key

- 1.1. 5857
- 1.2. 12 r1
- 1.3. 35391
- 1.4. 1246
- 1.5. 2000

Minimum score 4

- 2.1.  $\frac{4}{21}$
- 2.2. 2
- 2.3.  $\frac{1}{2}$
- 2.4.  $\frac{4}{5}$ , 4 : 5
- 2.5. undefined

Minimum score 4

- 3.1. 29
- 3.2. 72
- 3.3. 58
- 3.4. 9
- 3.5. 1

Minimum score 4

- 4.1. (b) supplementary
- 4.2. (a) complementary
- 4.3. 5
- 4.4. 88 square cm
- 4.5. (b) opposite

Minimum score 4

- 5.1. (c) 10.08
- 5.2. (b)  $1.06 \times 10^3$
- 5.3.  $4.5444 \times 10^6$
- 5.4. \$270.00
- 5.5.  $9.876543 \times 10^4$

Minimum score 4

- 6.1. 440
- 6.2. 185,193
- 6.3.  $4.311 \times 10^{24}$
- 6.4. 122
- 6.5. 1

Minimum score 4

- 7.1.  $\frac{1}{3}$  or 1:3
- 7.2. (b) 1
- 7.3. 3 units by 3 units by 3 units
- 7.4. 777
- 7.5.  $\frac{5}{8}$  or 5:8

Minimum score 4

- 8.1. (b) 35 sq meters
- 8.2.  $9x^2 + 4x^2 + 14x$
- 8.3.  $7x^2 + 12x + 27$
- 8.4.  $\frac{ac}{bd}$
- 8.5.  $(4x + 6y)/5$

Minimum score 4

- 9.1. 226.1946711
- 9.2. 84 cubic inches
- 9.3. \$1000.00
- 9.4. 150 square cm
- 9.5. .100 km

Minimum score 4

- 10.1.  $\frac{3\sqrt{11}}{11}$
- 10.2.  $x \leq -2$
- 10.3.  $\{x | 7 \leq x \leq 15\}$ ; [7,15]
- 10.4. 11
- 10.5. (30,24)

Minimum score 4

- 11.1.  $9a + 3b + 4c$
- 11.2.  $\frac{4x + 4}{9x - 6}$
- 11.3.  $10x - 5y + 1$
- 11.4.  $15x + 20$
- 11.5.  $2x^3 + 2x^2 + 5x - 2$

Minimum score 4

- 12.1.  $6x^2 + 7x + 2$
- 12.2.  $6ax + 9bx + 3x + 2a + 3b + 1$
- 12.3.  $5x^2 + 3x + 1$
- 12.4.  $\frac{21(x-1)}{4(x+1)}$
- 12.5.  $15y(x^2 + 2x + 2)$



## *Diagnosis and Prescription*

### **Instructions for diagnosis**

1. Complete the following chart as you grade each section of the test.
2. Assign any chapter in which the student recorded less than four (4) correct answers.
3. Place a check mark (✓) in prescription column to indicate need to complete a chapter.
4. Enter the assigned chapters on the student's Transcript Planner, Academic Contract and Daily Objective Chart.
5. Follow PAC procedures for activities, quizzes and tests.
6. Assign academic credit according to school policy. PAC recommends that the student complete at least 45 lessons and related quizzes and tests for  $\frac{1}{2}$  credit, 90 lessons earns 1 credit.

<i>Chapter</i>	<i>Minimum</i>	<i># Correct</i>	<i>Prescription</i>
1	4		
2	4		
3	4		
4	4		
5	4		
6	4		
7	4		
8	4		
9	4		
10	4		
11	4		
12	4		

