

## Chapter 7 Cumulative Review

1. Evaluate  $(2x + 5y)^2$  if  $x = 0$  and  $y = -\frac{4}{5}$ . (Lesson 1-3) 1. \_\_\_\_\_
2. State the property shown in  $8 \cdot 1 = 8$ . (Lesson 1-6) 2. \_\_\_\_\_
- Simplify. (Lesson 1-7)**
3.  $7(r + 2t) - 5r$  3. \_\_\_\_\_
4.  $5(4a + b) + 3a + b$  4. \_\_\_\_\_
- Find each sum or difference. (Lessons 2-3 and 2-5)**
5.  $-18 + 40$  5. \_\_\_\_\_
6.  $-\frac{1}{2} + \left(-\frac{1}{6}\right) + \left(-\frac{2}{3}\right)$  6. \_\_\_\_\_
7.  $\begin{bmatrix} 3.1 & -6.3 \\ -8 & 1 \end{bmatrix} - \begin{bmatrix} 3.1 & -6.3 \\ 4 & -6 \end{bmatrix}$  7. \_\_\_\_\_
8. Solve  $\frac{x}{6} - 5 = 12$ . (Lesson 3-3) 8. \_\_\_\_\_
9. Elisabeth is 6 years older than her sister Eliza. Their mother's age is twice the sum of their ages. How old are they if their mother is 40? (Lesson 3-10) 9. \_\_\_\_\_
10. Find the mean, median, and mode of the data represented in the stem-and-leaf plot at the right. (Lessons 1-4 and 3-7)
 

Stem	Leaf
4	3 7
5	1 2 5
6	0 0 5 5 4 ~ 54

 10. \_\_\_\_\_
11. Find both the complement and the supplement for an angle of  $63^\circ$ . (Lesson 3-4) 11. \_\_\_\_\_
12. Find the measure of each of the two congruent angles of an isosceles triangle if the third angle is  $84^\circ$ . (Lesson 3-4) 12. \_\_\_\_\_
13. How many pounds of peanuts costing \$2.00 a pound should be mixed with 4 pounds of cashews costing \$4.50 a pound to obtain a mixture costing \$3.00 a pound? (Lesson 4-8) 13. \_\_\_\_\_
14. Three times a number is 16 less than five times the number. Find the number. (Lesson 3-6) 14. \_\_\_\_\_
15. Find 2.8% of 84. (Lesson 4-4) 15. \_\_\_\_\_
16. Twenty-eight is 40% of what number? (Lesson 4-4) 16. \_\_\_\_\_

# Edgenuity Cumulative Exam World History

**Shasha Hu**



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