1. If \( \frac{x + 4}{12} = \frac{4}{3} \), then \( x \) equals:
   a. 3  b. 6  c. 8  d. 10  e. 12

2. What is the least of three consecutive integers whose sum is 21?
   a. 5  b. 6  c. 7  d. 8  e. 9

3. Juanita has stocks, bonds, and t-bills for investments. The number of t-bills she has is one more than the number of stocks, and the number of bonds is three times the number of t-bills. Which of the following could be the total number of investments?
   a. 16  b. 17  c. 18  d. 19  e. 20

4. Through how many degrees would the minute hand of a clock turn from 5:20 p.m. to 5:35 p.m. the same day?
   a. 15º  b. 30º  c. 45º  d. 60º  e. 90º

5. The length of a rectangle is six times its width. If the perimeter of the rectangle is 56, what is the width of the rectangle?
   a. 4  b. 7  c. 8.5  d. 18  e. 24

6. If \( m > 1 \) and \( m^nm^5 = m^{15} \), then what does \( n \) equal?

7. In the triangle at right, what is the value of \( a + b + c + d \)?

8. If \( x \) and \( y \) are positive integers, \( x + y < 12 \), and \( x > 4 \), what is the greatest possible value for \( x - y \)?

9. If \( (2x^2 + 5x + 3)(2x + 4) = ax^3 + bx^2 + cx + d \) for all values of \( x \), what does \( c \) equal?

10. Four lines intersect in one point creating eight congruent adjacent angles. What is the measure of one of these angles?