Lesson 5.1.2 – REVIEW & PREVIEW

- **5-18.** Solve each equation below.
  
  a. \( \frac{x}{2} + \frac{x}{6} = 7 \)
  
  b. \( \frac{x}{9} + \frac{2x}{2} = \frac{1}{3} \)

- **5-20.** In the last election, candidate B received twice as many votes as candidate A. Candidate C received 15,000 fewer votes than candidate A. If a total of 109,000 votes were cast, how many votes did candidate B receive? (HINT: Use 5-D process to help you!)

- **5-21.** Jamila wants to play a game called “Guess My Line.” She gives you the following hint: “Two points on my line are (1, 1) and (2, 4).”

  a. What is the growth rate of her line? A graph of the line may help.

  b. What is the y-intercept of her line?

  c. What is the equation of her line?
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• 5-22. Solve each of the following equations. Be sure to show your work carefully and check your answers.

  a. \( 2(3x - 4) = 22 \)

  b. \( 6(2x - 5) = -(x + 4) \)

  c. \( 2 - (y + 2) = 3y \)

  d. \( 3 + 4(x + 1) = 159 \)