18. Given $f(x) = x^2 + 1$ with domain D: $\{-2,-1,0,1,3\}$. What is the range, R?

    a. R: $\{-1,-2,0,1,3\}$ c. R: $\{5,2,1,2,10\}$

    b. R: $\{4,1,0,1,9\}$ d. R: $\{3,0,-1,0,8\}$

19. Solve $y + w - \dfrac{3}{4}z = 0$ for z.

    a. $z = \dfrac{4}{3}(y + w)$ c. $z = \dfrac{4}{3}w + y$

    b. $z = \dfrac{3}{4}(y + w)$ d. $z = \dfrac{4y}{3} + w$

20. Gloria earns 1.5 times her normal hourly pay for each hour that she works over 40 hours in a week. Her normal pay is p dollars per hour. Last week Gloria worked 47 hours and earned $489.85. The following equation represents this situation where p is Gloria's normal hourly pay in dollars per hour.

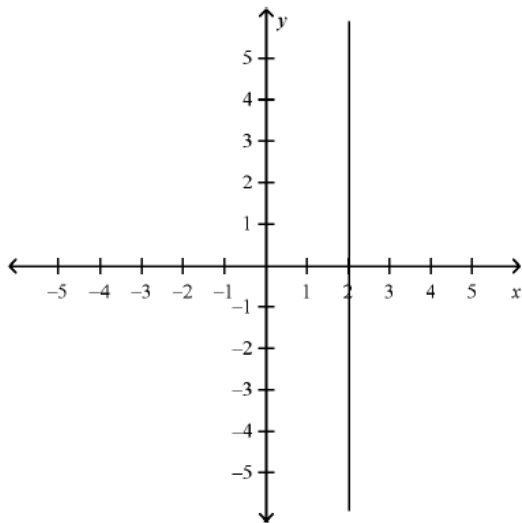$$40p + 7(1.5p) = 489.85$$

What is Gloria's normal hourly pay?

    a. $5.90   c. $8.70

    b. $6.95   d. $9.70

21. Tell whether the slope of the line is positive, negative, zero, or undefined.

    a. negative   c. undefined

    b. positive   d. zero

Answers

18. ANS: C
19. ANS: A
20. ANS: D
21. ANS: C