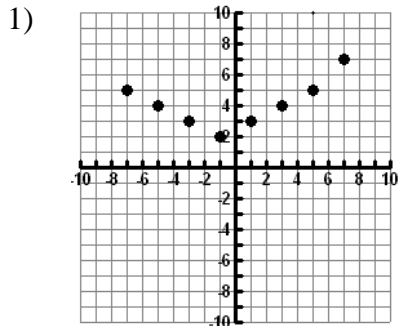


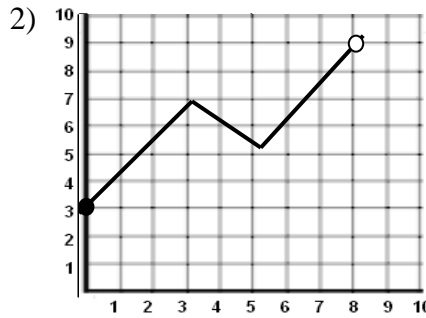
(Sect 3.1a) For each graph, determine whether the graph is discrete or continuous. Then, list the domain and range in Compound Inequality.



Discrete Continuous

D: _____

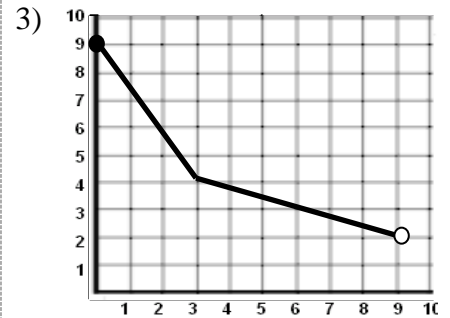
R: _____



Discrete Continuous

D: _____

R: _____



Discrete Continuous

D: _____

R: _____

(Sect 3.1-4) Equations. Show all work and box answer.

4) $-8 + a = 5$

5) $\frac{3}{4}w = -27$

6) $5y - 4 = 11$

7) $\frac{3}{2}v + 2 = 20$

8) $c + 2c - 5 - 5c = 7$

9) $16h - 4(5h - 7) = 4$

10) $\frac{6}{5}(8k + 8) = -36$

11) $16 - 2m = 5m + 9$

12) $2 - 15n = 5(-3n + 2)$

13) $\frac{1}{12}(48 + 24b) = 2(17 - 4b)$

14) $\frac{3}{2}(n + 20) = \frac{1}{2}(3n + 60)$

(Sect 3.6) Solve Proportions using Cross Products. Show all work and box answer.

17) $\frac{6}{z} = \frac{12}{5}$

18) $\frac{n + 8}{5n - 2} = \frac{3}{8}$

19) $\frac{5 - c}{3} = \frac{2c + 2}{-4}$

20) What number is 30% of 55?

21) What percent of 60 is 18?

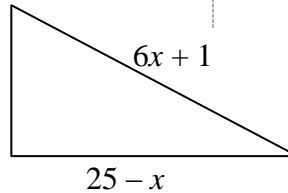
(Sect 3.8) Write the equation so that y is a function of x . Show all work and box answer.

22) $3x = 2y - 18$

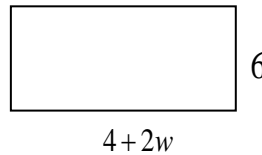
23) $4y - x = 20 - y$

24) $4x = -2y + 26$

25) Simplify the perimeter of the triangle shown here, $3x$



26) Simplify the area of the rectangle shown here,

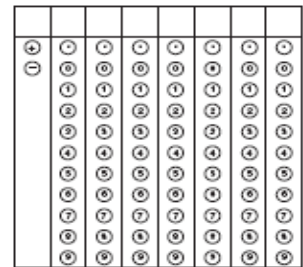


27) Determine which step contains the mistake $-3(7x - 4) + 6x - (13 - 24x)$ and explain what the mistake was.

Step 1: $-3(7x - 4) + 6x - (13 - 24x)$

Step 2: $-21x + 12 + 6x - 13 + 24x$

Step 3: $-9x - 1$

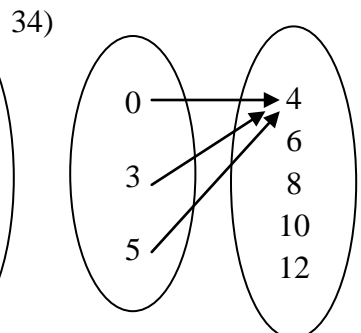
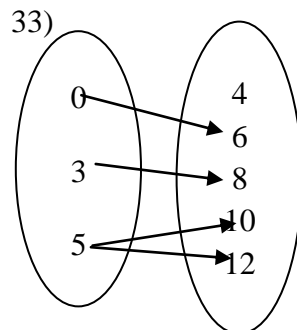
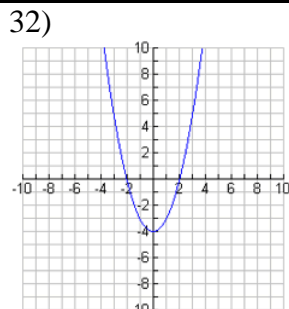
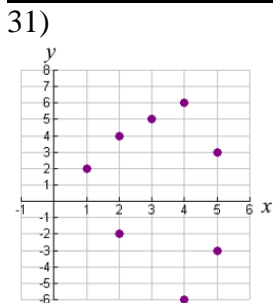


28) Solve the algebraic expression, $3 - 2(2x - 4) = -5$ on the griddable.

29) Tobías sells magazine subscriptions. He receives \$60 per day plus \$5 for each subscription that he sells. His total pay, p , is given by $p = \$60 + \$5s$, where s is the number of subscriptions he sells. What is the independent and dependent variable?

30) At the carnival, Peggy can fill 130 balloons each hour with helium. If h is the number of hours she works and b is the number of balloons she fills, their relationship can be expressed with $b = 130h$. What is the independent and dependent variable?

Is it a function? If it is not a function, explain why.



35) The domain of the function, $y = 3x + 6$ is 0, 1, 2, 3. What is the range of the function?