

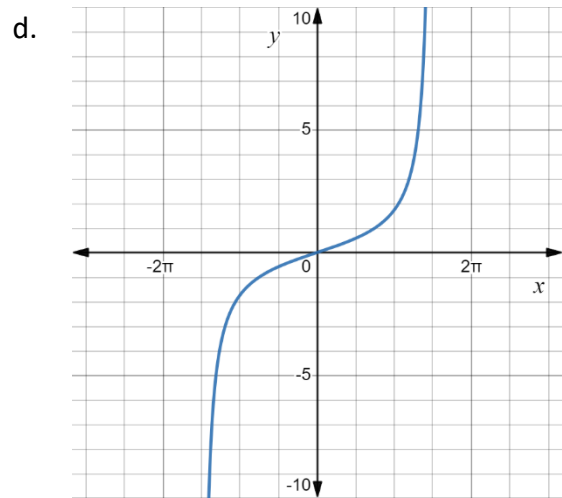
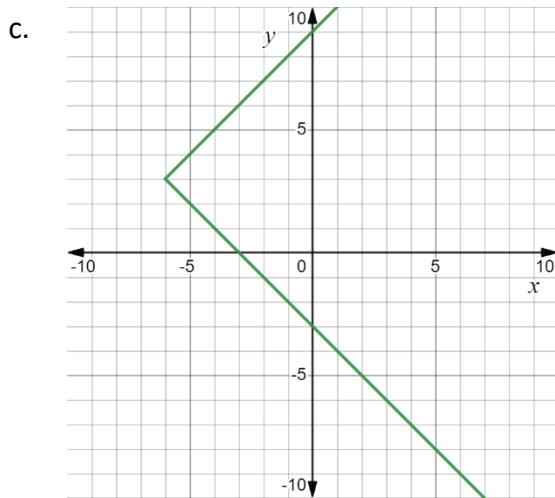
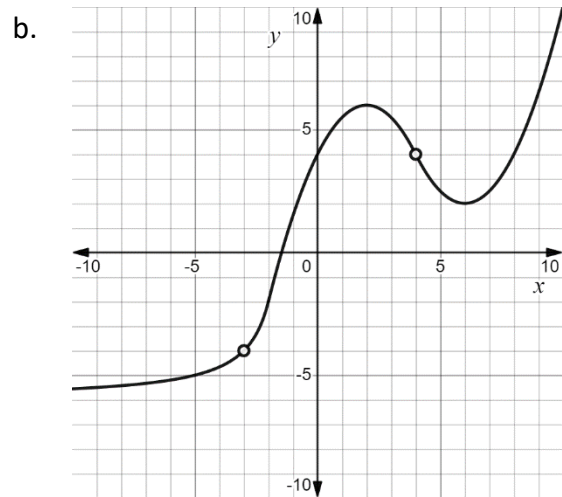
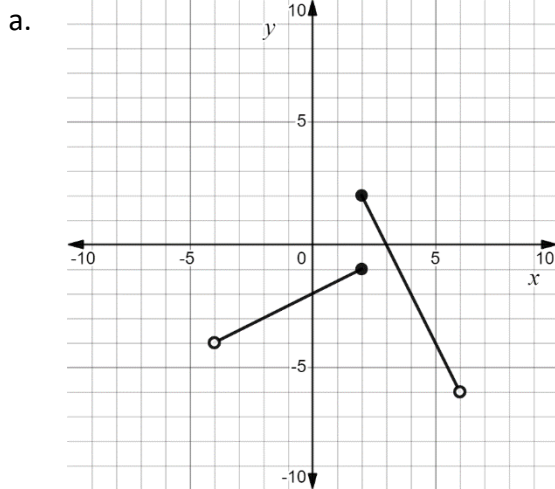
Name: _____

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| Learning Goal 0.1 | Expectations for graphing from previous years. |
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More Questions

1. Determine whether each of the following graphs represents a function. If so, state the domain and range of the function.



2. Determine whether each of the following equations represents a function. State the domain and range of the function and draw a sketch of the relation labeling any important points.

a. $y = -(x - 4)^2 + 9$

b. $y = \sqrt{x - 3} + 5$

c. $y = |x| - 6$

d. $y = (x - 2)^2(x + 1)$

3. Consider the functions then evaluate.

$$f(x) = (x - 4)^2 + 2$$

$$g(x) = \sqrt{x - 5}$$

- a. $f(-8)$
- b. $g(3)$
- c. $g(3x - 4)$
- d. $f(g(x))$

Example Use the graph of $f(x)$ to determine the following.

- a. $f(-2)$
- b. $f(x) = 4$
- c. Domain
- d. Range
- e. Any local or global minimum value(s) of $f(x)$ and the value of x for which that happens.
- f. Any local or global maximum value(s) of $f(x)$ and the value of x for which that happens.

