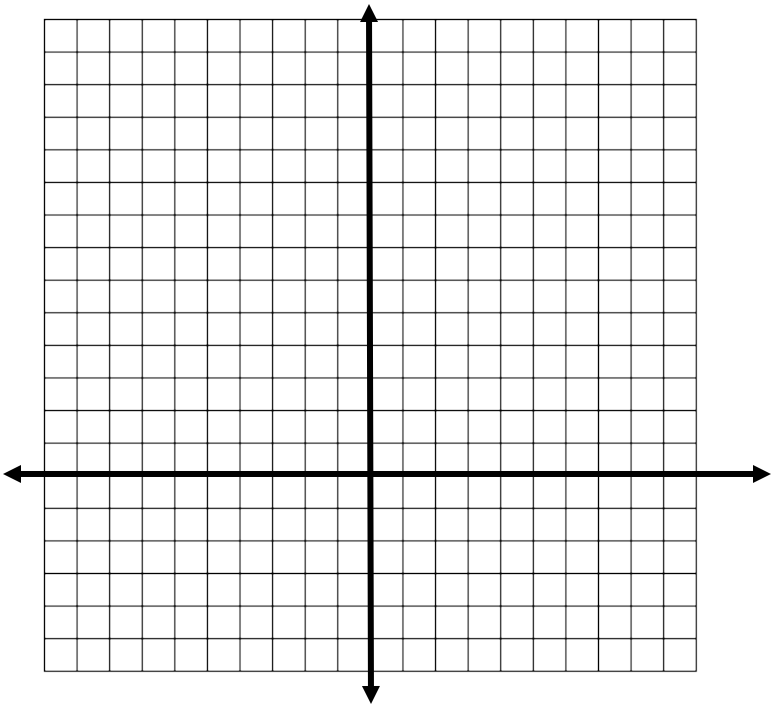
Review & Preview

2-19. What shape will the graph of $y = x^2 + 2$ be? How can you tell? Justify your prediction by making a table and graphing $y = x^2 + 2$ on graph paper.



2-20. Evaluate each expression for $x = -2$ and $y = -5$.

a. $1 - 2x + 3y$

b. $-|x - y|$

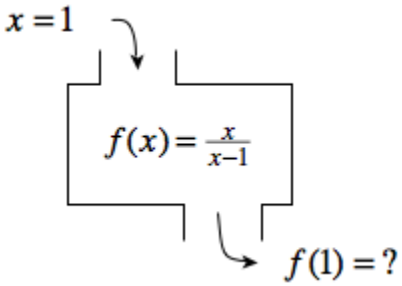
c. $\sqrt{x^2} + \sqrt[3]{y^3}$

d. $\frac{1}{2}x + \frac{1}{3}y$

2-22. Figure 2 of a tile pattern is shown at right. If the pattern grows linearly and if Figure 5 has 15 tiles, then find a rule for the pattern.

Figure 2

2-23. Find the output for the relation with the given input. If there is no possible output for the given input, explain why not.



2-24. Find the slope of the line shown on the graph below.