

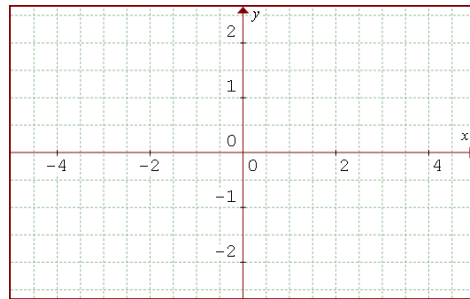
4-4 Graphing a Function Rule

Use the function rule $f(x) = |x+1| - 2$ to answer questions 1-2:

1. Complete the data table

| x | f(x) |
|----|------|
| -4 | |
| -2 | |
| 0 | |
| 2 | |

2. Graph the function

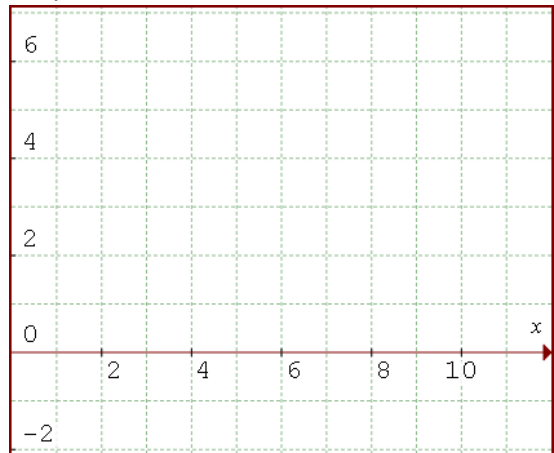


Use the function rule $g(x) = \sqrt{x-2} + 1$ to answer questions 3-4:

3. Complete the data table

| x | g(x) |
|----|------|
| 2 | |
| 3 | |
| 6 | |
| 11 | |

4. Graph the function



5. Is the point $(-3, -14)$ on the graph of the function? $y = -x^2 - 5$ Show how you know.