8.4 “plugging in x” with Function Notation

When looking at the function $f\left(x\right)=4x$ you know that we have seen $f(x)$ as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. What if you saw this: $f\left(x\right)=2x+7$ what is $f(3)$?

Practice that same strategy for the following:

|  |  |
| --- | --- |
| 1. $f\left(x\right)=x^{3}+4-7x$
	1. $f\left(5\right)=$
	2. $f\left(-2\right)=$
	3. $f\left(21\right)=$
 | 1. $f\left(x\right)=4x^{2}-2x$
	1. $f\left(0\right)=$
	2. $f\left(2\right)=$
	3. $f(-21)$
 |

Now for each of the above write what the coordinate pair is:

|  |  |
| --- | --- |
| 1. Using the above from problem 1.
	1.
	2.
 | 1. Using the above from problem 2.
	1.
	2.
	3.
 |



Use the graph the left to identify the indicated point:

1. $f\left(0\right)=$
2. $f\left(-3\right)=$
3. $f\left(2\right)=$
4. $f\left(-1\right)=$
5. $f\left(1\right)=$