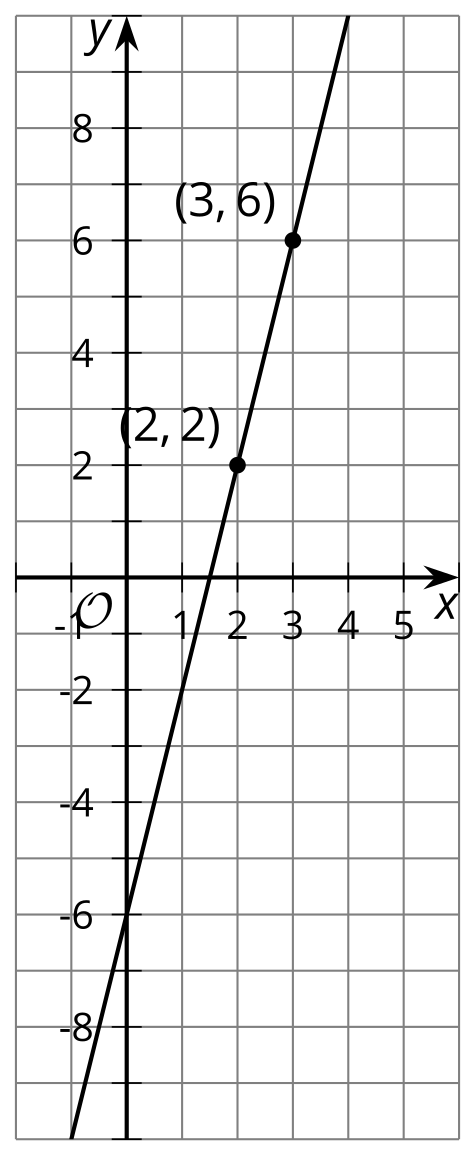
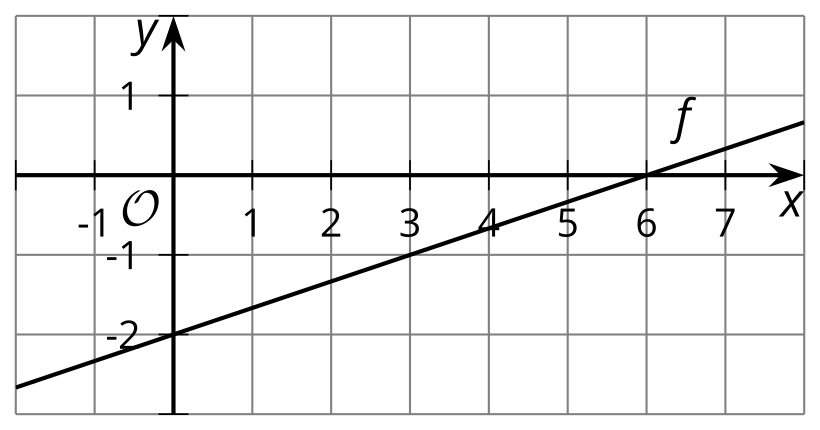
## Lesson 20: Evaluating Functions over Equal Intervals

* Let’s evaluate and rewrite expressions.

### 20.1: Finding Slopes

1. Find the slope of each line.
   1. The line that passes through and .
   2. The graph of .
2. Show on the graph where each slope can be seen.





### 20.2: Incrementing by One

1. For the function , evaluate:
   1. and
   2. and
   3. and
   4. and
2. What do all those pairs of numbers you found have in common?
3. Write an expression for and .
4. What would you expect to be the result of subtracting from ?
5. Subtract from . If you don’t get the answer you predicted, work with a partner to check your algebra.
6. For the function , evaluate:
   1. and
   2. and
   3. and
   4. and
7. What do all those pairs of numbers you found have in common?
8. Write an expression for and .
9. What would you expect to be the result of dividing by ?
10. Divide by . If you don’t get the answer you predicted, work with a partner to check your algebra.

### 20.3: Rewriting Expressions

1. Evaluate:
2. Solve for :
3. Write an equivalent expression using as few terms as possible:



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