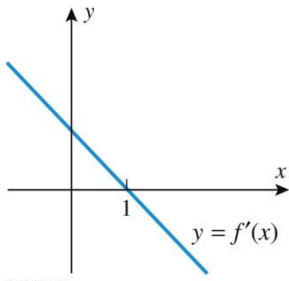


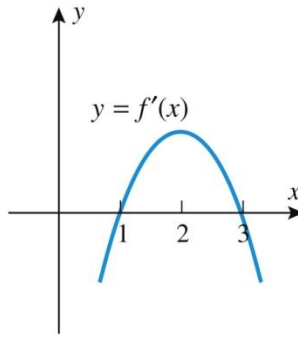
## Sign Charts from Graphs

1.



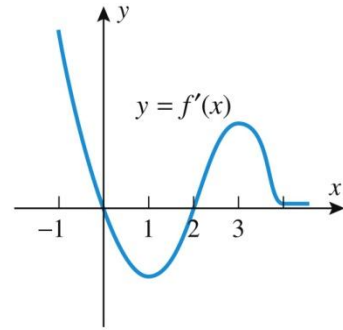
Exercise Set 4.2 Figure Ex-21  
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2.



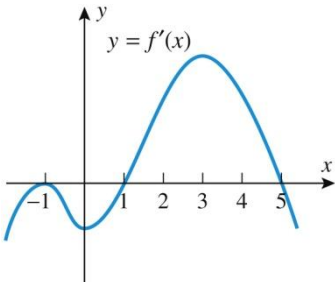
Exercise Set 4.2 Figure Ex-22  
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3.



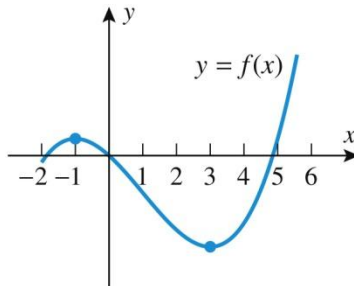
Exercise Set 4.2 Figure Ex-23  
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4.



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5.



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6.

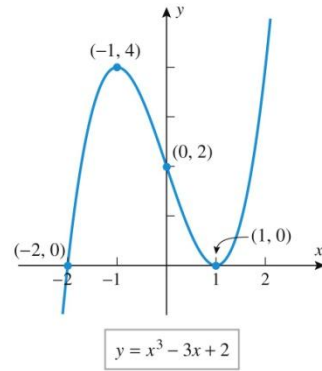


Figure 4.2.14  
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## Sign Charts from Equations

7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

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19.

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20.

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21.

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22.

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23.

—

22.

—

**Why do we Need Sign Charts?**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

## Solving Quadratic and Rational Inequalities

1. Solve:

2. Solve:

3. Solve:

4. Solve: \_\_\_\_\_

5. Solve: \_\_\_\_\_

6. Solve: \_\_\_\_\_

### Finding the Domain.

7. Find the domain: \_\_\_\_\_

8. Find the domain: \_\_\_\_\_

9. Find the domain: \_\_\_\_\_  
\_\_\_\_\_

10. Find the domain: \_\_\_\_\_

### Absolute Value Functions. (Change to piecewise functions.)

11.

12.

13.

14.