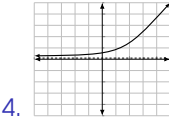
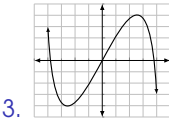
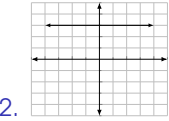
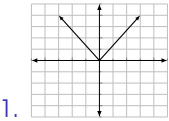


Lesson 2.4.2: Domain and Range of Functions

- **Domain:** the set of all permissible values of x that give real values for y
- **Range:** the set of permissible values for y or $f(x)$ that give the values of x real numbers
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Practice Exercises 2.4.2

A. Determine the domain and the range of each graph.



B. Find the domain of each function.

1. $g(x) = 5x + 1$

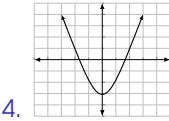
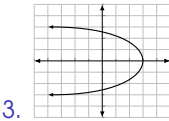
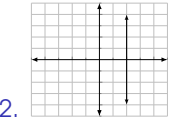
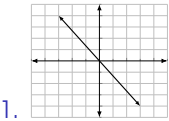
2. $g(x) = \sqrt{x}$

3. $g(x) = \frac{x+4}{x-2}$
4. $g(x) = \sqrt{x-8}$

5. $g(x) = \frac{3x}{x+6}$

Activity 2.4.2

A. Determine the domain and the range of each graph.



B. Find the domain of each function.

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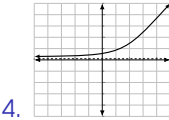
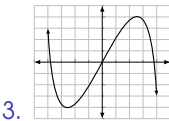
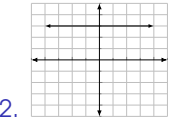
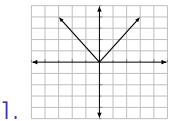
5. $g(x) = \frac{x+4}{3x-5}$

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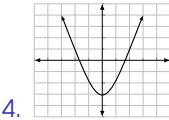
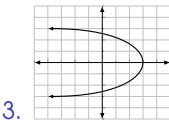
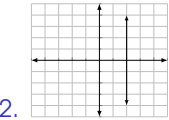
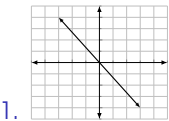
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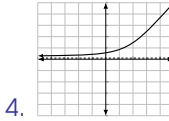
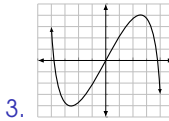
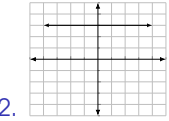
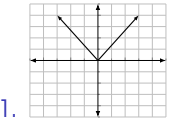
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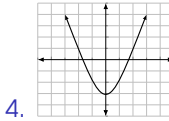
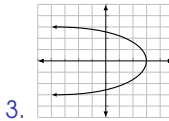
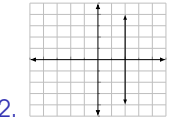
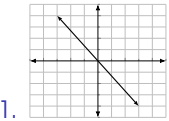
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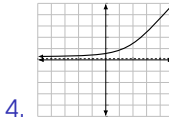
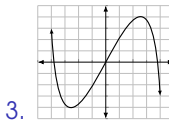
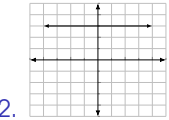
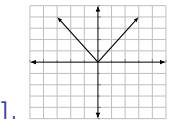
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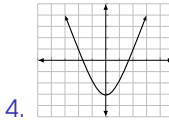
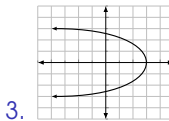
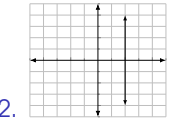
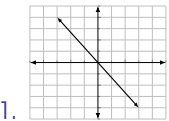
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