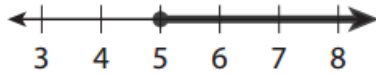


1. Write the interval shown on the number line as an inequality, using set notation, and using interval notation.



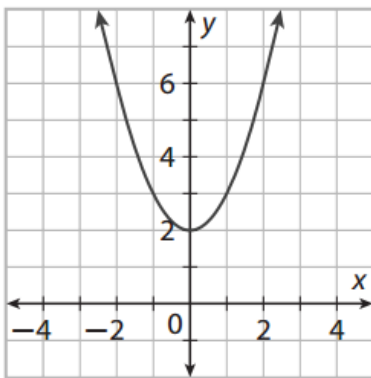
2. Write the interval $(5, 100]$ as an inequality and using set notation.

3. Write the interval $-25 \leq x < 30$ using set notation and interval notation.

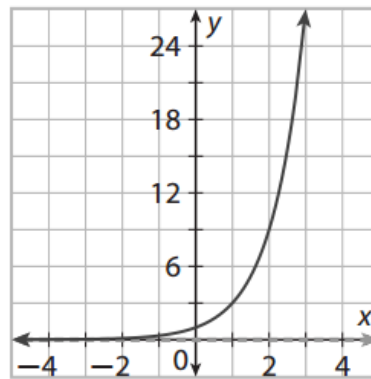
4. Write the interval $\{x \mid -3 < x < 5\}$ as an inequality and using interval notation.

Write the domain and the range of the function as an inequality, using set notation, and using interval notation. Also describe the end behavior of the function or explain why there is no end behavior.

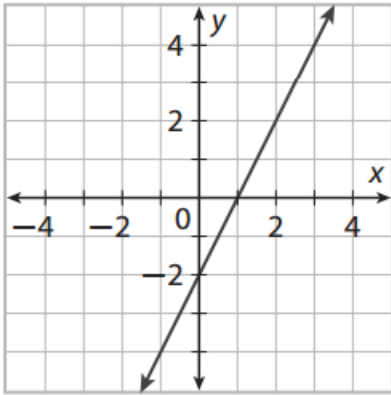
5. The graph of the quadratic function $f(x) = x^2 + 2$ is shown.



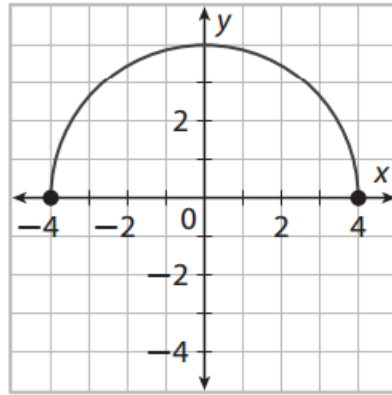
6. The graph of the exponential function $f(x) = 3^x$ is shown.



7. The graph of the linear function $g(x) = 2x - 2$ is shown.

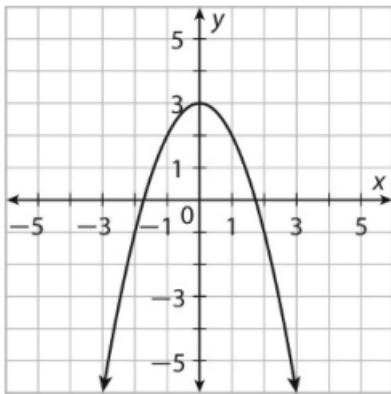


8. The graph of a function is shown.



- 9.

Graph of $f(x) = -x^2 + 3$:



- 10.

