

Assignment 3.5

Divide each polynomial.

1. $(x^2 - 6x + 10) \div (x - 10)$

2. $(x^2 + 2x - 11) \div (x + 2)$

3. $(4x^2 - 7x - 4) \div (x - 4)$

4. $(6x^4 - 9x^3 - 19x^2 + 31x - 5) \div (2x^2 + x - 5)$

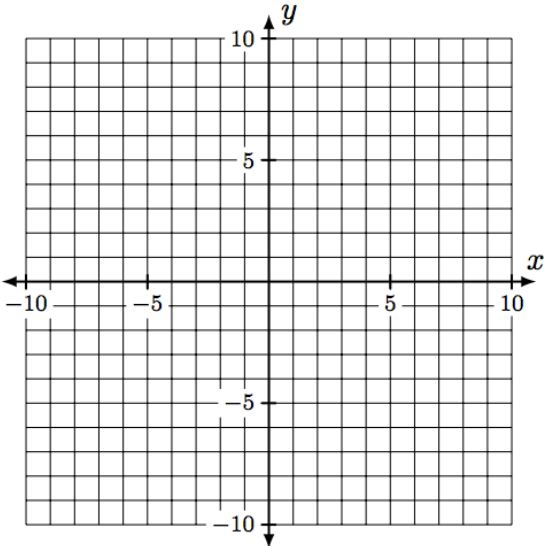
5. $(7x^3 + 11x^2 + 7x + 5) \div (x^2 + 1)$

6. $(8x^2 + 34x - 1) \div (4x - 1)$

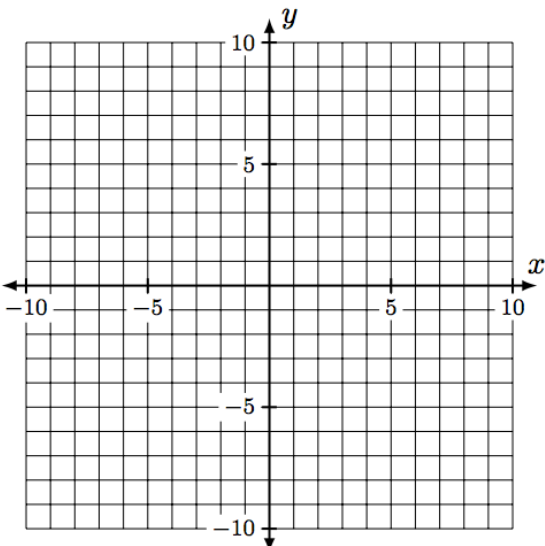
Refresh Your Memory

Graph each function, then give the features of the graph.

7. $f(x) = x^2 - 9$

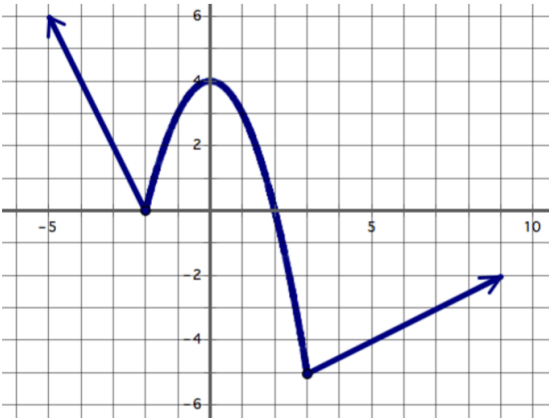


8. $g(x) = \sqrt{x - 3} + 1$



Give the features of the graphed functions.

9.



10.

