

Algebra 1B Homework Check (9-1)

(Please attach homework to this sheet and fill out the questions below.)

Pg. 594: 10-21

Tell whether the graph of each quadratic function opens upward or downward. Explain.

10. $y = -3x^2 + 4x$

11. $y = 1 - 2x + 6x^2$

12. $y + x^2 = -x - 2$

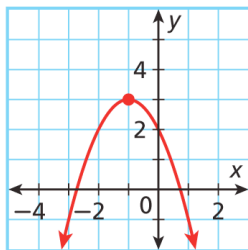
13. $y + 2 = x^2$

14. $y - 2x^2 = -3$

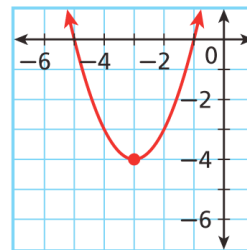
15. $y + 2 + 3x^2 = 1$

Identify the vertex of each parabola. Then give the minimum or maximum value of the function.

16.

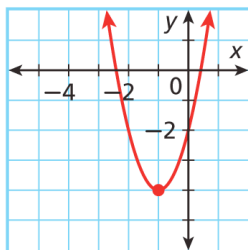


17.

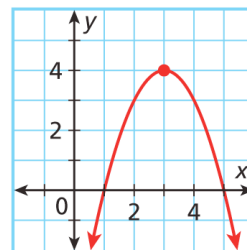


Find the domain and range.

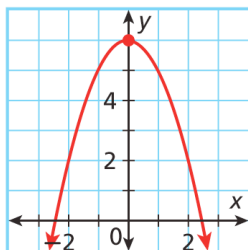
18.



19.



20.



21.

