

H Alg 2

Sketch a graph of each function. Tell the type of function, give the domain, range, tell where it is increasing, decreasing, identify any asymptotes and intercepts and describe the end behavior.

1. $y = -3\sqrt{x}$

3. $y = 7x^3$

5. $y = -x^5$

7. $y = -\frac{\sqrt[3]{x}}{5}$

9. $y = \sqrt[3]{x}$

2. $y = -8x$

4. $y = -\frac{2}{9}\sqrt{x}$

6. $y = 3x^2$

8. $y = \frac{1}{4}|x|$

10. $y = -\frac{2}{3}x^4$