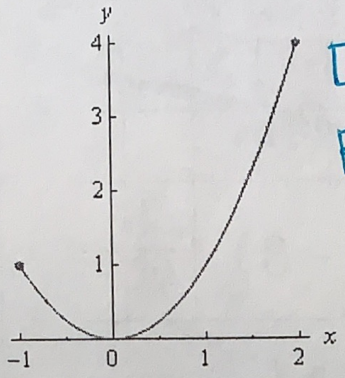
KEY

PRACTICE QUIZ 1.1.1-1.1.3

Identify the Domain AND Range for the following graphs.

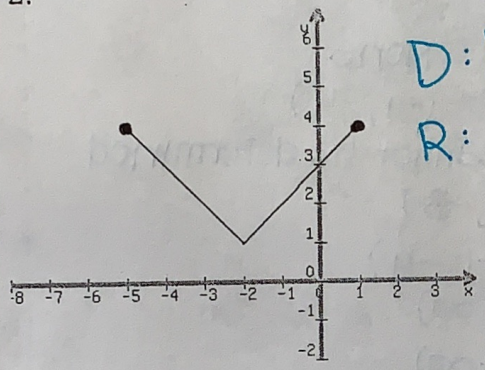
1.



D: [-1, 2]

R: [0, 4]

2.

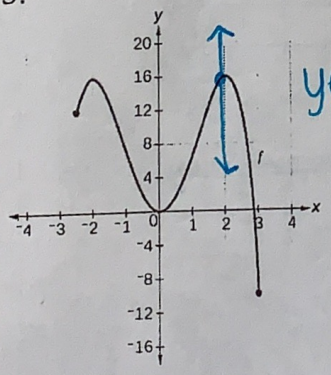


D: [-5, 1]

R: [1, 4]

State whether the relation below is a function or not a function

3.



yes, it is a function

For $f(x) = -6x^5 + 2x + 5$, evaluate:

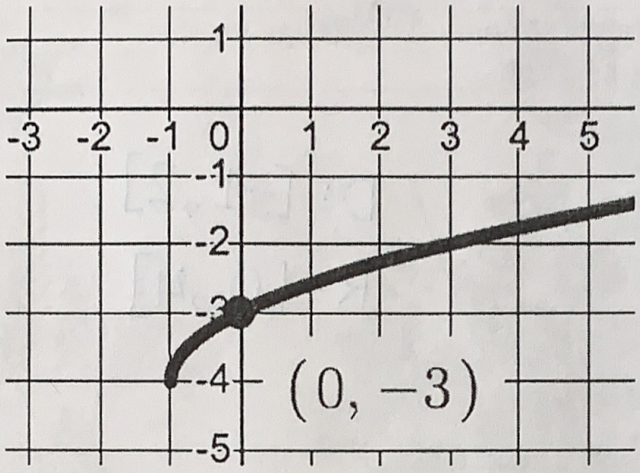
4. $f(-2)$

$f(-2) = -6(-2)^5 + 2(-2) + 5$

$f(-2) = \boxed{193}$

Identify all the following key features for the graph given

5.



Increasing or Decreasing:

Continuous or Discrete?

Maximum Point(s): None

Minimum Point(s): (−1, −4)

x-intercept(s): cannot be determined

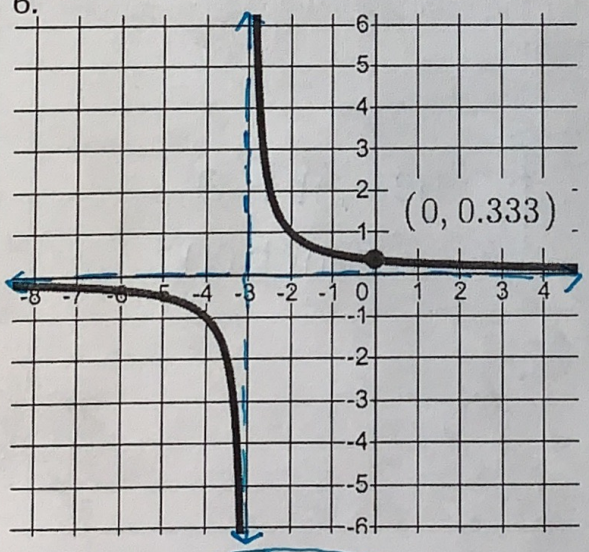
y-intercept: (0, −3)

End Point(s): (−1, −4)

Domain: $[-1, +\infty)$

Range: $[-4, +\infty)$

6.



Increasing or Decreasing:

Continuous or Discrete?

x-intercept(s): none

y-intercept: (0, 0.3)

Domain: $x \neq -3$

Range: $y \neq 0$

Vertical Asymptote: $x = -3$

Horizontal Asymptote: $y = 0$