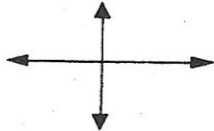


Calculus
Parent Function Review

Name _____

Quickly sketch the following parent functions on the axes provided and list the domain and range of each function. Spend no more than 1 minute on each.

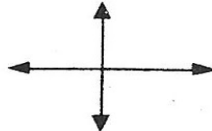
1. $y = x^2$



Domain:

Range:

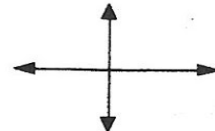
2. $y = a \cdot x^3, a > 0$



Domain:

Range:

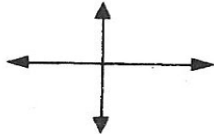
3. $y = a \cdot x^3, a < 0$



Domain:

Range:

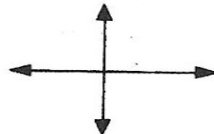
4. $y = \sqrt{x}$



Domain:

Range:

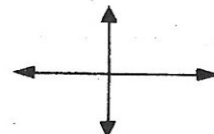
5. $y = |x|$



Domain:

Range:

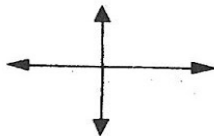
6. $y = \ln(x)$



Domain:

Range:

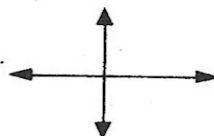
7. $y = \sin(x)$



Domain:

Range:

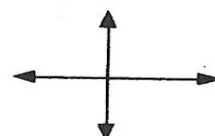
8. $y = 1/x$



Domain:

Range:

9. $y = e^x$



Domain:

Range:

(over)