Name : _____

Block: _____

Calculus 12

Curve Sketching Review

1. How would you describe the domain of a function?

_____

_____

2. How would you find the x-intercept(s)?

_____

_____

3. How would you find the y-intercept(s)?

_____

_____

4. How would you detect symmetry about the y-axis?

_____

_____

5. How would you detect symmetry about the origin?

_____

_____

6. How would you find any vertical asymptotes?

_____

_____

7. How would you find any horizontal asymptotes?

_____

_____

8. How would you find a slant asymptote?

_____

_____

9. How would you find the interval(s) over which the function is:
   a) Increasing?

      _____
      _____

   b) Decreasing?

      _____
      _____

10. How would you find the x-coordinate of any critical points?

    _____
    _____

11. How would you find the y-coordinate of a critical point whose x-coordinate is "a"?

    _____
    _____

12. How would you find whether a critical point is a maximum or a minimum?

    _____
    _____

13. How would you find whether a critical number is a point of inflection?

    _____
    _____

14. How would you detect:
    a) Intervals of upward concavity?

       _____
       _____

    b) Intervals of downward concavity?

       _____
       _____