

5.5 A Procedure for Curve Sketching

Steps:

1. DOMAIN

2. INTERCEPTS

3. SYMMETRY

4. ASYMPTOTES
 - a) Vertical

 - b) Horizontal

5. INTERVALS of INCREASE / DECREASE

6. LOCAL MAXIMUM / MINIMUM VALUES

7. CONCAVITY and POINTS OF INFLECTION

8. SKETCH THE CURVE

Sketch the curve $y = 3x^5 - 5x^3$. Follow all 8 steps listed on the front of this page.