Calculus Puzzle

1. Drawing a graph without lifting your hand

2. Discontinuity?

3. Derivative

4. Constant Rule

5. Exponent moves in front of x and you subtract 1 from the original exponent?

6. d/dx [f(x) +/- g(x)]= f'(x)+/- g(x)

7. d/dx [f(x) * g(x)]=f'(x)g(x) +f(x)g'(x)

8. Used to find the derivative of a function inside another function d/dx f(g(x))= f'(g(x)) *g'(x)

9. Highest point of a graph

10. lowest point in a graph

11. going from positive to negative

12. Relative Minimum / going from negative to positive

13. a change from concave up to concave down

14. Integrals

A. Relative Minimum

B. Product Rule

C. dy/dx or y'

D. (Jump, Infinite,Hole)

E. Relative Maximum

F. Power Rule

G. Inflection Point

H. Absolute Maximum

I. Continuity

J. Chain rule

K. Anti-derivative

L. Absolute Minimum

M. Sum and Difference Rule

N. Derivative is always zero