

Multiple-Choice Strategy

Briefly look at each problem. Determine if the problem is:

- ① **Q**uick to solve
- ② will take a **L**ong time
- ③ you could **N**ever solve it.

Label the problem **Q**, **L**, or **N**.

Example:

1. $f(x) = \ln x$, then $f''(3) = ?$ ← This looks easy & **Quick!**

(A) $-\frac{1}{3}$

(B) -1

(C) -3

(D) 1

So, solve right away

2. Find $\frac{dy}{dx}$ for $3x^2 - 2xy + 5y^2 = 1$ ←

(A) $\frac{3x+y}{x-5y}$

(B) $\frac{y-3x}{5y-x}$

(C) $3x + 5y$

(D) $\frac{3x+4y}{x}$

This looks like I can solve, but it might take me a **Long** time to solve.

So, solve **Longs** after all **Quicks** are solved.

3. You walk 10 miles south, 10 miles north, and 10 miles west and get back to where you started. Where are you? ←

(A) Cicero

(B) North America

(C) South America

(D) None of these

This looks confusing!!

It's not even Calculus... ☹

I will **NEVER** solve this.