Matching Problem 1: In the colors of the visible light spectrum, the acronym ROYGBIV is often used.

Here is the list of questions:

1. R stands for
2. O stands for
3. $G$ stands for
4. $V$ stands for

Here is the (permuted list) of answers
A. Orange
B. Red
C. Green
D. Violet

This problem below is a matching problem using all three possible questions and corresponding answers.

Matching Problem 2: Match the functions to their derivatives
Here is the list of questions:

1. $\tan ^{-1} x$

- 2. $\ln \left(\sqrt{1+x^{2}}\right)$

3. $\ln \left(1+x^{2}\right)$

Here is the (permuted list) of answers
A. $\frac{x}{1+x^{2}}$
B. $\frac{1}{1+x^{2}}$
C. $\frac{2 x}{1+x^{2}}$

