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EX.0.4.1, Sauer Langou

Identify for which values of x there is subtraction of nearly equal numbers, and find an alternate form that avoids the problem.

(a) 
$$\frac{1-\sec x}{\tan^2 x}$$
 (b)  $\frac{1-(1-x)^3}{x}$  (c)  $\frac{1}{1+x}-\frac{1}{1-x}$