(* Quiz 7 | AB | G period*)
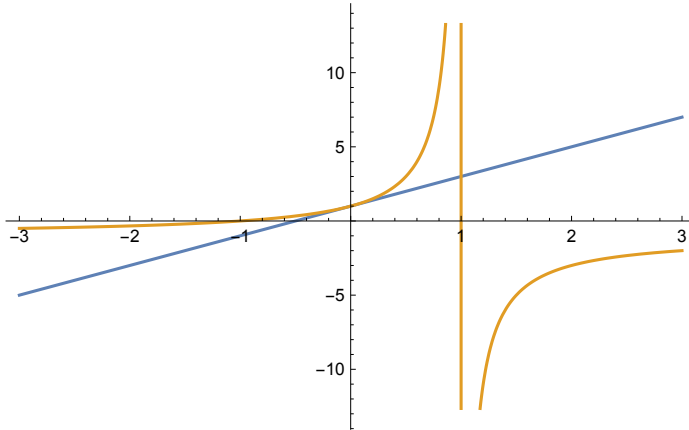
D[(1 + x) / (1 - x), x]

$$\frac{1}{1-x} + \frac{1+x}{(1-x)^2}$$

% /. {x → 0}

2

Plot[{1 + 2 (x - 0), (1 + x) / (1 - x)}, {x, -3, 3}]

(* Quiz 7 | AB | A period*)

D[(2 + x) / (5 - 3 x), x]

$$\frac{1}{5-3x} + \frac{3(2+x)}{(5-3x)^2}$$

% /. {x → 2}

11

Plot[{-4 + 11 (x - 2), (2 + x) / (5 - 3 x)}, {x, -1, 4}]