King Fahd University for Petroleum and Minerals				
	Department of Mathematics & Statistics			
	Term 162	Quiz#5 (3.4, 3.5, and	3.9) Math 101	(11)
Full Name:		ID#		Ser#
Q1. Let $tan(x - y) =$	$=\frac{y}{1+x^2}$. Find $\frac{dy}{dx}$.		l	

Q2. A street light is mounted on top of a 5-meter-tall pole. A man 2m tall is walking away from the pole at a rate of 1.5m/s along a straight path. How fast is his shadow moving when he is 10m away from the pole?