MATH 11022–006 TR 11:00	Trigonometry	Dr. Kracht Spring 2014
Name:		Quiz Score: /20
	Quiz 5	

1. (10 pts)

(a) State the difference formula for cosine:

 $\cos(u - v) =$

(b) Use your answer above and basic identities to **derive** the familiar sum formula for cos(u + v)). State a reason for each step.

2. (10 pts) Verify the following identity. State a reason for each step. $\cos^4 x - \sin^4 x = \cos 2x$