Map Lab 1 - Ordering, Scales & Coordinates

Name:		Due:	
Pick a " on the s sheet b	ide wall of the lab. Note, it is	mo, that can be found on both the NTS & BCGS Map Indices located "OK" to choose a town that is mapped and labeled on one map u can "pin-point" its location on the second map index. Your choice	
Town: _			
a)	What map sheet would you or	rder to obtain coverage of the "city centre" at a scale of 1:250,000?	
b)	What map sheet would you or	rder to obtain coverage of the "city centre" at a scale of 1:50,000?	
c)	What map sheet would you or	rder to obtain coverage of the "city centre" at a scale of 1:20,000?	
	92G BCGS Map Index provided What map sheets cover Gamb	d: pier Island (located ~123°25'W and 49° 30'N) at a scale of 1:10,000?	
e)	What map sheets cover Coqui	itlam Lake (located ~122°48'W and 49° 22'N) at a scale of 1:5,000?	
f)	The neatline for map sheet 92 minute and be sure to include Northern edge:	·	
	Eastern edge:	Western edge:	

B) Use Paper-Based Maps to Determine Coordinates Show your calculations, including units, in a neat and orderly fashion to receive marks.				
g)	Use the <u>older</u> (NAD 27) Nanaimo map (92 G/4) metres) for Shaft Point on Newcastle Island .	and determine the UTM coordinates (nearest 10		
	Zone: 10N Easting: N	orthing:		
h)	Use the <u>newer</u> (NAD 83) Nanaimo map (92 G/4) and determine the UTM coordinates (nearest 10 metres) for Shaft Point on Newcastle Island .			
	Zone: 10N Easting: N	orthing:		

i)) What is the difference (in metres) between the two datums? Show calculations (include 'graph'/diagram that shows the 2 points; be sure to label the points).	e a small
	Easting diff.: Northing diff.: Straightline:	
21		
j)	Use the newer (NAD 83) Nanaimo map (92 G/4) and determine the lat./long , coordinate (nearest second) for Shaft Point on Newcastle Island .	es
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))	latitude: longitude:	is.

k)	Use the Blackjack Lake map (092f for spot height ' 479 '.	F.020) and determine the UTM coordinates (nearest 10 metres)
	Zone: 10N Easting:	Northing:
l)	Use the Blackjack Lake map (092f second) for spot height '479'.	F.020) and determine the lat./long. coordinates (nearest
	second) for spot neight 177.	
	latitude:	longitude:
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