

Name \_\_\_\_\_

### Introduction to GPS Field Exercise

1. Before going outside, enter waypoints 002 and 004 into your GPS.
2. Turn your GPS on at the beginning of your walk. Create waypoints for 001, 003, and 004.
3. Use your compass set at  $0^\circ$  declination to take bearings from 002 to 003 and from 004 to 005.
4. Pace the distance between each point.
5. Complete the table below:

WPT	Description	UTM Coordinates	BRG ( $^\circ$ T)	# Paces
001	Fire hydrant just off the Circle Drive Entrance to the Arts Center Parking Lot			
002		709 676 E		
		4 767 163 N		
003	Light Post across Circle Drive Exit to Student Center Parking Lot			
004		709 679 E		
		4 767 367 N		
005	Student Center Sign Across from the Administration Wing			

6. Using a green pen and a UTM corner tool, plot the waypoints (X marks the spot) on the Riverton map and draw a route in the order of the waypoints you traveled.
7. Look at your GPS unit's map page, zoomed in at about 0.6 miles. How does your route compare with what the GPS shows?

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8. Complete the table below: (Show your calculations from ft to meters in the space below.)

		From Pace & Compass		
From	To	BRG (°T)	Distance (ft)	Distance (m)
001	002			
002	003			
003	004			
004	005			
Total Route Distances				