

Name: \_\_\_\_\_

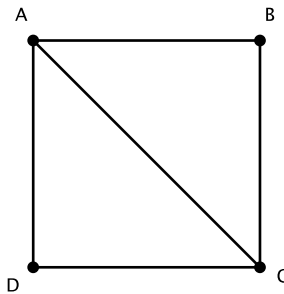
## MA111 — Quiz #2

Friday, September 18

1. For the distance table shown below, find a tour using the Nearest-Neighbor Algorithm, starting with  $A$ , and give its total cost.

	$A$	$B$	$C$	$D$
$A$	—	48	28	22
$B$	48	—	32	20
$C$	28	32	—	18
$D$	22	20	18	—

2. Consider the following graph:



- (a) List all of the Hamilton paths.
- (b) Using  $A$  as a reference point, list all of the Hamilton circuits.