

## Quiz 3

1. Consider the following preference schedule:

4	3	4	2
<i>B</i>	<i>A</i>	<i>C</i>	<i>C</i>
<i>A</i>	<i>B</i>	<i>A</i>	<i>B</i>
<i>C</i>	<i>C</i>	<i>B</i>	<i>A</i>

(a) Who wins by plurality? (1 pt)       $W_P = \{\text{_____}\}$

(b) Is there a Condorcet Candidate? If so, who? Draw the Comparison graph on the right to justify your answer. (2 pts)

Circle one:      Yes      No      If yes, who? \_\_\_\_\_

(c) Is Candidate *C* a spoiler for plurality? Explain. (2 pts)

(d) Is Candidate *B* a spoiler for plurality? Explain. (2 pts)

2. Circle T if the claim is true, F if the claim is false. (1pt each)

(a) Pairwise comparison can have losing spoilers.      T      F

(b) The runoff method satisfies the retroactive disqualification criterion.      T      F

(c) If there is a Condorcet candidate, then there are no spoilers for plurality.      T      F

WRITE YOUR NAME ON REVERSE.

PLEASE WRITE YOUR NAME ON THE BOTTOM OF THIS PAGE

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