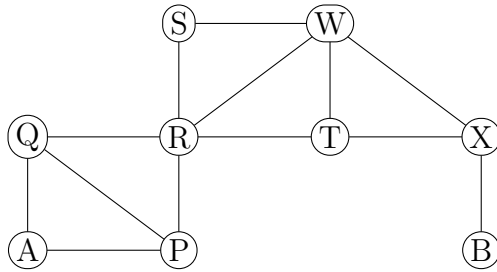**Name:** _____

NetID: _____   **Lecture:**   **B**

Discussion: Friday   11   12   1   2   3   4

(9 points) How many paths are there from A to B in the graph below? Explain or show work.

(2 points) How many connected components does the above graph have?

(2 points) What is the diameter of the above graph?

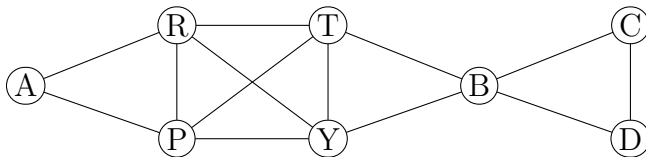(2 points) Does the above graph have a cut edge?

Name:_____

NetID:_____   **Lecture:**   **B**

Discussion: **Friday**   **11**   **12**   **1**   **2**   **3**   **4**

(9 points) How many paths are there from A to C in the graph below? Explain or show work.

(2 points) How many connected components does the above graph have?

(2 points) Does the above graph have a cut edge?

(2 points) Does the above graph have an Euler circuit?