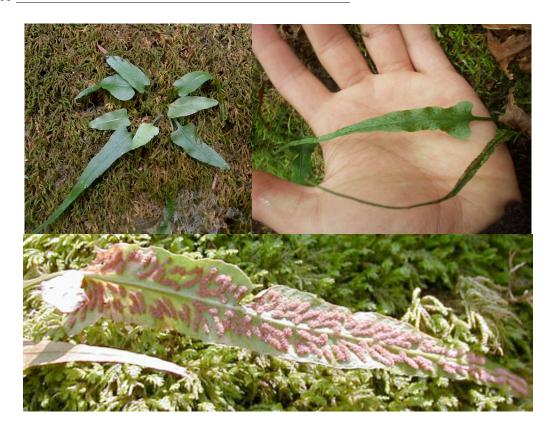
Botany 401	<b>Name:</b>	
Vascular Flora of Wiscons	in	
Exam 1 – take home porti	on [due in class Tue Marc	h 8]
[20 points out of 90 total; ea	ach question is 5 points]	

1. Use the online key to ferns and relatives at UW-Green Bay to key this fern to species. Size of the fronds is shown with a hand reference. Sporangia are shown on bottom of one frond. <a href="http://www.uwgb.edu/biodiversity/herbarium/pteridophytes/pteridophyte-key-start.htm">http://www.uwgb.edu/biodiversity/herbarium/pteridophytes/pteridophyte-key-start.htm</a>

species		
SUCCICS		



<ol><li>Using resources you have learned about in lecture and laboratory, find 2 synonyms of t</li></ol>	he
following species - Opuntia fragilis (Nutt.) Haw our native and threatened prickly pear	r cactus
Give the complete scientific name for both in correct format.	

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-			

Give one likely reason (of several) how such synonyms have arisen:

3. Using the Wisconsin State Herbarium Wisflora website, examine the distribution maps of the listed species below (for a more detailed distribution, click on the 'View specimen location map' link), visit other links provided at each species webpage, give a common name for each, and answer the following questions:

	common name
a	. Besseya bullii
b	. Gymnocladus dioica
c	. Abies balsamea
d	. Cakile edentula
	The species that basically honors the Wisconsin Tension Zone by being confined to the Northern Hardwood Province.
Т	he species that is confined to Great Lakes' sandy lakeshores.
Т	he species that is derived from the western "prairie element".
	The species that is derived from central North America but primarily restricted to riparian" habitats.
Ranuncu cinquefo <b>using on</b>	of the important families you learned from the Wisconsin flora include the laceae (buttercup family), Rosaceae (rose group including raspberry, agrimony, il), and the Fabaceae (legume family). Make a dichotomous key to these three families <b>ly vegetative or floral features from the following set</b> : stipules +/, stamen number, um +/-, pistil number, fruit type.
A	
A	
В. [	
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