Botany 401	Name:
Vascular Flora of Wisconsin	
Exam 1 – take home portion	
[24 points out of 100 total; each ques	tion is 6 points]

1. Use the online key to ferns and relatives at UW-Green Bay to key this fern to species. These fronds (feature "a") are about 3 feet long. Sporangia (feature "b") are located in the darker tan areas.

species _____



2. Using resources you have learned about in lecture and laboratory, find 2 synonyms of the following species – *Silene vulgaris* (Moench) Garcke – bladder campion. Give the complete scientific name for both in correct format.

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), give a common name for each, and answer the following questions:

			common name
	a.	Anemone caroliniana	
	b.	Gleditsia triacanthos	
	c.	Abies balsamea	
	d.	Chamaesyce polygonifolia	
		e species that basically honors the Wisconthern Hardwood Province.	onsin Tension Zone by being confined to the
	Th	e species that is confined to Great Lakes	' sandy lakeshores.
	Th	e species that is derived from the western	n "prairie element".
_		e species that is derived from central No parian" habitats.	rth America but primarily restricted to
Ranun aspbe hese t	cula rry, hree	agrimony, cinquefoil), and the Fabaceae	mily Rosoideae (rose subfamily including (legume family). Make a dichotomous key to all features from the following set: stipules +/,
	A.		
	A.		
		В.	
		В.	