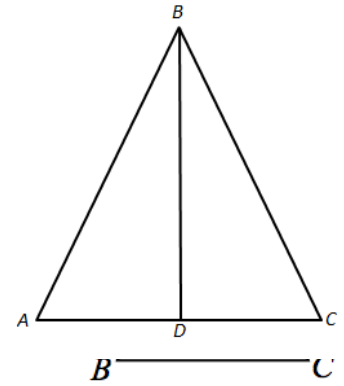


Name: _____ Date: _____ Section: _____

Problem Set 4-4R/4-5L – Remember to also do the textbook problems

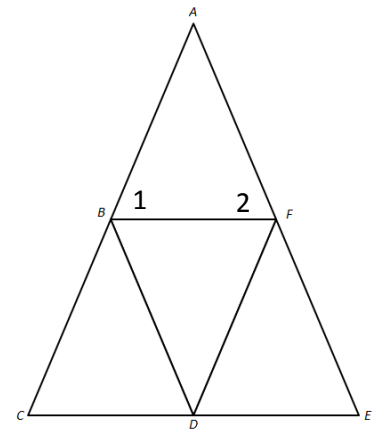
1. Given: $\overline{AB} \cong \overline{BC}; \overline{AD} \cong \overline{DC}$

Prove: $\triangle BAD \cong \triangle BCD$



2. Given: $\triangle CAE$ is isosceles; $\overline{BF} \parallel \overline{CE}$

Prove: $\triangle BAF$ is isosceles



Statements	Reasons
1. $\triangle CAE$ is isosceles	1. Given
2. _____	2. Isosceles Triangle Theorem
3. $\overline{BF} \parallel \overline{CE}$	3. Given
4. $\angle 1$ & $\angle C$ and $\angle 2$ & $\angle E$ are _____ angles	4. Defn of _____ angles
5. $\angle 1 \cong \angle C; \angle 2 \cong \angle E$	5. _____
6. $\angle 1 \cong \angle$ _____	6. Substitution
7. $\triangle BAF$ is isosceles	7. _____

