Packet #2 Corrections

III.

Statements	Reasons
1. $m\angle 1 = m\angle 2$ j $m\angle 3 = m\angle 4$	1.
2. $m\angle 1 + m\angle 3 = m\angle 2 + m\angle 3$	2.
3. $m\angle 1 + m\angle 3 = m\angle 2 + m\angle 4$	3.
4. $m\angle 1 + m\angle 3 = m\angle ABC$ $m\angle 2 + m\angle 4 = m\angle DEF$	4.
5. $m\angle ABC = m\angle DEF$	5.

IV.

Statements	Reasons
1. $\angle 2 \cong \angle 3$	1.
2. $\angle 1 \cong \angle 2$	2.
3. $\angle 1 \cong \angle 3$	3.
4. $\angle 3 \cong \angle 4$	4.
5. $\angle 1 \cong \angle 4$	5.

VII.

Statements	Reasons
1. $\overrightarrow{BD}$ bisects $\angle EBC$	1.
2. $\angle 1 \cong \angle 2$	2.
3. $\angle 2$ and $\angle 3$ form a LP	3.
4. $\angle 2$ and $\angle 3$ are supplementary	4.
5. $m\angle 2 + m\angle 3 = 180^\circ$	5.
6. $m\angle 1 = m\angle 2$	6.
7. $m\angle 1 + m\angle 3 = 180^\circ$	7.
8. $\angle 1$ and $\angle 3$ are supplementary	8.

IX.

Statements	Reasons
1. $\angle 2 \cong \angle 3$	1.
2. $\angle 1$ and $\angle 2$ form a LP $\angle 3$ and $\angle 4$ form a LP	2.
3. $\angle 1$ and $\angle 2$ are supp. $\angle 3$ and $\angle 4$ are supp.	3.
4. $\angle 4$ and $\angle 2$ are supp.	4.
5. $\angle 1 \cong \angle 4$	5.

X.

Statements	Reasons
1. $\angle 2 \cong \angle 3$	1.
2. $\angle 1$ and $\angle 2$ form a LP $\angle 3$ and $\angle 4$ form a LP	2.
3. $\angle 1$ and $\angle 2$ are supp. $\angle 3$ and $\angle 4$ are supp.	3.
4. $m\angle 1 + m\angle 2 = 180$ $m\angle 3 + m\angle 4 = 180$	4.
5. $m\angle 1 + m\angle 2 = m\angle 3 + m\angle 4$	5.
6. $m\angle 2 = m\angle 3$	6.
7. $m\angle 1 + m\angle 2 = m\angle 2 + m\angle 4$	7.
8. $m\angle 1 = m\angle 4$	8.
9. $\angle 1 \cong \angle 4$	9.