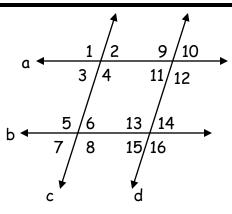
Station 1- You must complete the following proofs.

Be sure to copy down the entire proof on your answer sheet.

1. Given: _____

Prove:

Reasons Statements



Statements

Reasons

2. Given: ______.

Prove: ______.

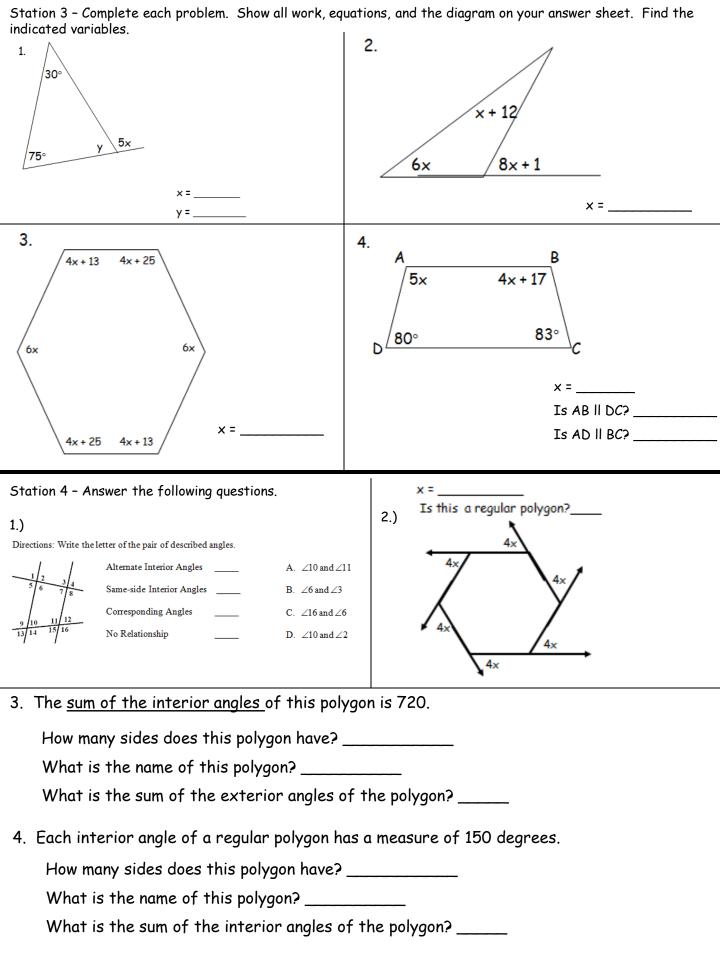
Station 2- Using the Statement and Reason cards found in each envelope, put the steps to the proof in order. There will be several cards not used.

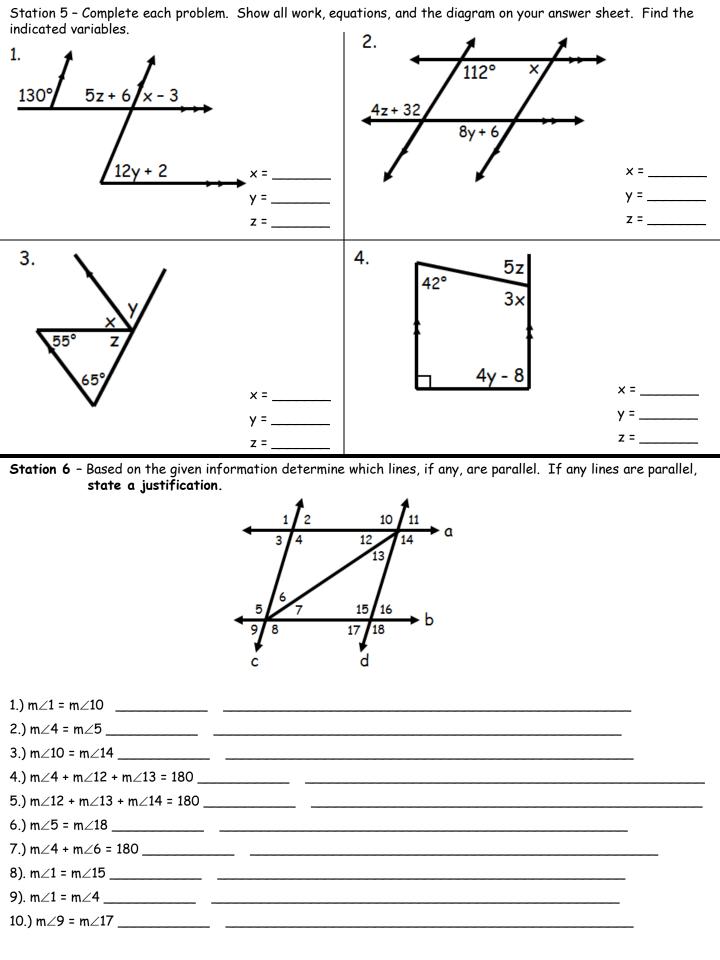
Given: _____

Prove: _____

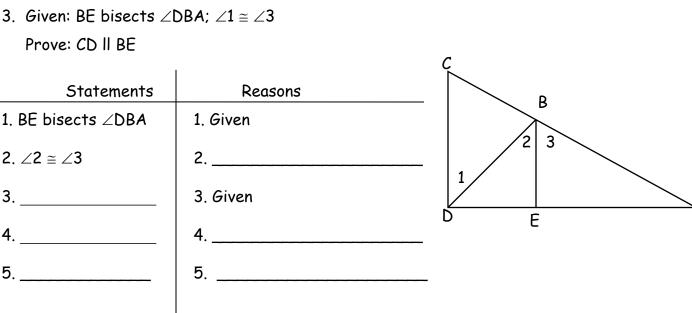
Statements

Reasons





Additional Proof Practice!!! 1. Given: GK bisects $\angle JGI$; m $\angle 3 = m\angle 2$ Prove: GK || HI – K G Statement*s* Reasons 1. _____ 1. Given 2. Definition of an Angle Bisector Η 3. Given 4. $m \angle 1 = m \angle 3$ 2. Given: ST II QR; $\angle 1 \cong \angle 3$ Prove: $\angle 2 \cong \angle 3$ Reasons Statements 1. STII QR 1. Given $2. \ \angle 1 \cong \angle 2$ 3. Given 4. _____ 3. Given: BE bisects $\angle DBA$; $\angle 1 \cong \angle 3$ Prove: CD II BE Statements Reasons В 1. BE bisects ∠DBA 1. Given



Additional Proof Practice!!! (KEY)

- 1. Given: GK bisects $\angle JGI$; m $\angle 3 = m\angle 2$
- Prove: GK | HI
 - Statements Reasons
 - 1. GK bisects ∠JGI 1. Given
 - 2. $m \angle 1 = m \angle 2$ 2. Definition of an Angle Bisector
 - 3. $m \angle 3 = m \angle 2$ 3. Given
- 4. $m \angle 1 = m \angle 3$ 4. Substitution
- 5. GK || HI

Reasons

- 5. If 2 lines cut by trans and Corr $\angle \cong$ then II lines.
- 2. Given: ST II QR; $\angle 1 \cong \angle 3$

Prove: $\angle 2 \cong \angle 3$

Statements

- 1. STII QR 1 Given
- 2. If II lines, then Corr $\angle \cong$ 2. ∠1 ≅ ∠2
- 3. ∠1 ≅ ∠3 3. Given

3. Given

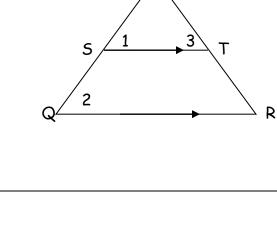
- 4. ∠2 ≅ ∠3 4. Substitution
- 3. Given: BE bisects $\angle DBA$; $\angle 1 \cong \angle 3$

Prove: CD II BE

 $3. \angle 1 \cong \angle 3$

Statements	Reasons
1 DE biggata (DDA	1 Circan

- BE bisects ∠DBA 1. Given
- 2. Def of Angle Bisector 2. ∠2 ≅ ∠3
- **4**. ∠**2** ≅ ∠**1** 4. Substitution
- 5. CD II BE 5. If 2 lines cut by trans and AI $\angle \cong$, then II lines.



В

E

3

G

Η

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Ι