# Geometry

Unit 3 Suppl. + Compl. Proofs B

Name:

Date: Period: 1 2 3 4 5 6

Standards: 2.0, 13.0 Holt: 1-4 Pairs of Angles p.29

1. Given: $\angle 5$ and $\angle 6$ are supplementary
   $\angle 6$ and $\angle 7$ are supplementary
   Prove: $\angle 5 \cong \angle 7$

| Statements | Reasons |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

3. Given: $\angle 3$ and $\angle 5$ are complementary
   $\angle 5$ and $\angle 9$ are complementary
   Prove: $\angle 3 \cong \angle 9$

| Statements | Reasons |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2. Given: $\angle R$ and $\angle G$ are supplementary
   $\angle G$ and $\angle P$ are supplementary
   Prove: $\angle R \cong \angle P$

| Statements | Reasons |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

4. Given: $\angle Y$ and $\angle L$ are complementary
   $\angle L$ and $\angle D$ are complementary
   Prove: $\angle Y \cong \angle D$

| Statements | Reasons |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |