

**CH. 7 Foundations of geometry**

**Lesson:** 7-1 Angle relationships  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Students classify angles and find their measures.

**Teaching Procedure**

Read/discuss p. 330-332. Work p. 332-333 #1-8 at the board.

**Homework Assignment**

Workbook 7-1.

**Lesson:** 7-2 Parallel and perpendicular lines  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Students identify parallel and perpendicular lines and the angles formed by a transversal.

**Teaching Procedure**

Read/discuss p. 336-337. Work p. 338 #1-5 at the board.

**Homework Assignment**

Workbook 7-2.

**Lesson:** 7-3 Triangles  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

**Lesson Objective**

Students find unknown angles and identify possible side lengths in triangles.

**Teaching Procedure**

Read/discuss p. 342-344. Work p. 344-345 #1-9 at the board.

**Homework Assignment**

Workbook 7-3.

**Lesson:** 7-4 Polygons  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Students classify and find angles in polygons.

**Teaching Procedure**

Read/discuss p. 347-349. Work p. 349-350 #1-9 at the board.

**Homework Assignment**

Workbook 7-4.

**Lesson:** 7-5 Coordinate geometry  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Students identify polygons and midpoints of segments in the coordinate plane.

**Teaching Procedure**

Read/discuss p. 353-355. Work p. 355 #1-6 at the board.

**Homework Assignment**

Workbook 7-5.

**Lesson:** 7-6 Congruence  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Students use properties of congruent figures to solve problems.

**Teaching Procedure**

Read/discuss p. 360-361. Work p. 362 #1-5 at the board.

**Homework Assignment**

Workbook 7-6.

**Lesson:** 7-7 Transformations  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\*****Lesson Objective**

Students transform plane figures using translations, rotations, and reflections.

**Teaching Procedure**

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Read/discuss p. 364-366. Work p. 366-367 #1-6 at the board.

### Homework Assignment

Workbook 7-7.

**Lesson:** 7-8 Symmetry  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

### Lesson Objective

Students identify symmetry in figures.

### Teaching Procedure

Read/discuss p. 372-373. Work p. 374 #1-7 at the board.

### Homework Assignment

Workbook 7-8.

**Lesson:** Test  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

**\*\*Correct Homework, if any\*\***

### Student Evaluation

Administer test on p. 383.