

**CH. 12 Graphing Lines**

**Lesson:** 12-1 Graphing linear equations  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

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

**Lesson Objective**

Students identify and graph linear equations.

**Teaching Procedure**

Read/discuss p. 632-634. Work p. 635 #1-6 at the board.

**Homework Assignment**

Workbook 12-1.

**Lesson:** 12-2 Slope of a line  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

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

**Lesson Objective**

Students find the slope of a line and use slope to understand and draw graphs.

**Teaching Procedure**

Read/discuss p. 637-639. Work p. 639 #1-6 at the board.

**Homework Assignment**

Workbook 12-2.

**Lesson:** 12-3 Using slopes and intercepts  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

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

**Lesson Objective**

Students use slopes and intercepts to graph linear equations.

**Teaching Procedure**

Read/discuss p. 642-644. Work p. 645 #1-12 at the board.

**Homework Assignment**

Workbook 12-3.

**Lesson:** 12-4 Point-slope form  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

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

Students find the equation of a line given one point and the slope.

**Teaching Procedure**

Read/discuss p. 648-649. Work p. 650 #1-9 at the board.

**Homework Assignment**

Workbook 12-4.

**Lesson:** 12-5 Direct variation  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

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

Students recognize direct variation by graphing tables of data and checking for constant ratios.

**Teaching Procedure**

Read/discuss p. 654-656. Work p. 657 #1-8 at the board.

**Homework Assignment**

Workbook 12-5.

**Lesson:** 12-6 Graphing inequalities  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

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

Students graph inequalities on the coordinate plane.

**Teaching Procedure**

Read/discuss p. 659-661. Work p. 662 #1-7 at the board.

**Homework Assignment**

Workbook 12-6.

**Lesson:** 12-7 Solving systems of linear equations by graphing  
**Author:** Mr. Hilvers  
**Endorsed:** St. Lawrence School  
**Level:** Grade 8

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

Students graph and solve systems of linear equations.

**Teaching Procedure**

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Read/discuss p. 664-665. Work p. 666 #1-7 at the board.

## Homework Assignment

Workbook 12-7.

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

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

## Student Evaluation

Administer test on p. 675.