Lesson 1.5

Technology Keystrokes
For use with Exercises 29 and 30, page 33

Keystrokes for Exercises 29 and 30

**TI-92**
1. Turn on the coordinate plane and the grid.
   \( \text{F8} \ 9 \ \text{F3} \ 2 \ \text{F3} \ 2 \ \text{ENTER} \)

2. Set the appropriate scale.
   (Move the cursor to a unit marking.) Hold down the \( \text{A} \) key and move the cursor until units of 1 are shown.

3. Set the appropriate window.
   \( \text{F8} \ A \) Hold down the \( \text{A} \) key and move the cursor until the dotted box highlights the desired window.

4. Plot points \( P, Q, R, \) and \( S \).
   \( \text{F2} \ 2 \) (Move the cursor to the desired location and prompted by “WHICH OBJECT?”)
   \( \text{ENTER} \ 2 \ P \ \text{F2} \ 2 \) (Move the cursor to the desired location and prompted by “WHICH OBJECT?”)
   \( \text{ENTER} \ 2 \ Q \ \text{F2} \ 2 \) (Move the cursor to the desired location and prompted by “ON THIS POINT OF THE GRID?”)
   \( \text{ENTER} \ R \)
   \( \text{F2} \ 2 \) (Move the cursor to the desired location and prompted by “ON THIS POINT OF THE GRID?”)
   \( \text{ENTER} \ S \)

5. Draw \( \overline{PQ} \) and \( \overline{RS} \).
   \( \text{F2} \ 5 \) (Move the cursor to point \( P \).)
   \( \text{ENTER} \)
   (Move the cursor to point \( Q \).)
   \( \text{ENTER} \)
   \( \text{F2} \ 5 \) (Move the cursor to point \( R \).)
   \( \text{ENTER} \)
   (Move the cursor to point \( S \).)
   \( \text{ENTER} \)

6. Measure \( PQ \) and \( RS \).
   \( \text{F6} \ 1 \) (Move the cursor to \( PQ \) and prompted by “WHICH OBJECT”?)
   \( \text{ENTER} \ 2 \ \text{F6} \ 1 \) (Move the cursor to \( RS \).)
   \( \text{ENTER} \)

**SKETCHPAD**

1. Set up the axes and grid. Choose Snap To Grid from the Graph menu.

2. Draw points \( P, Q, R, \) and \( S \). Choose Label Options from the Display menu. Type \( P \) under the “Increasing Part of Label” caption. Click OK. Choose Plot Points . . . from the Graph menu. Type the coordinates of the first point. Then click Add. Repeat this for the other points. Then click Plot. You may need to drag point \( B \) closer to the origin to adjust the scale of the grid.

3. Draw \( \overline{PQ} \) and \( \overline{RS} \). Choose the segment tool. Draw \( \overline{PQ} \) and \( \overline{RS} \).

4. Compare segment lengths. Choose the selection arrow tool. Select \( \overline{PQ} \), hold down the shift key, and select \( \overline{RS} \). Choose Length from the Measure menu.