

Technology Keystrokes

For use with Exercise 28, page 308

Keystrokes for Exercise 28**TI-92**

1. Draw quadrilateral $ABCD$.

F3 4 (Place cursor at desired location.) **ENTER** A (Place cursor at desired location.) **ENTER** B (Place cursor at desired location.) **ENTER** C (Place cursor at desired location.) **ENTER** D (Move cursor to point A.) **ENTER**

2. Measure $\angle A$, $\angle B$, $\angle C$, and $\angle D$.

F6 3 (Move cursor to point D.) **ENTER** (Move cursor to point A.) **ENTER** (Move cursor to point B.) **ENTER**

Repeat this procedure for the other angles.

3. Calculate the sum of the four angles.

F6 6 (Use cursor to highlight $m\angle A$.) **ENTER** **+** (Use cursor to highlight $m\angle B$.) **ENTER** **+** (Use cursor to highlight $m\angle C$.) **ENTER** **+** (Use cursor to highlight $m\angle D$.) **ENTER** **ENTER** (The result will appear on the screen.)

4. Drag a vertex of the quadrilateral.

F1 1 (Move cursor to point A.) **ENTER**

Use the drag key  and the cursor pad to drag the point.

SKETCHPAD

1. Draw quadrilateral $ABCD$. Select the segment tool. Draw \overline{AB} , \overline{BC} , \overline{CD} , and \overline{DA} to form quadrilateral $ABCD$.
2. Measure $\angle A$, $\angle B$, $\angle C$, and $\angle D$. To measure $\angle A$, choose the selection arrow tool. Select point D . Hold down the shift key, and select points A and B . Choose **Angle** from the **Measure** menu. Repeat this procedure for the remaining angles. Before selecting the next angle, be sure to click on a blank area of the window to deselect the previous points.
3. Calculate the sum of the four angles. Select **Calculate** from the **Measure** menu. Click $m\angle DAB$, **+**, $m\angle ABC$, **+**, $m\angle BCD$, **+**, $m\angle CDA$, and **OK**.
4. Choose the selection arrow tool. Select and drag a vertex of the quadrilateral.