



**FIGURE P3-16**

Problems 3-55 to 3-58

- 3-55 Design a fourbar mechanism to move the link shown in Figure P3-16 from position 1 to position 2. Ignore the third position and the fixed pivots  $O_2$  and  $O_4$  shown. Build a cardboard model and add a driver dyad to limit its motion to the range of positions designed, making it a sixbar.
- 3-56 Design a fourbar mechanism to move the link shown in Figure P3-16 from position 2 to position 3. Ignore the first position and the fixed pivots  $O_2$  and  $O_4$  shown. Build a cardboard model and add a driver dyad to limit its motion to the range of positions designed, making it a sixbar.
- 3-57 Design a fourbar mechanism to give the three positions shown in Figure P3-16. Ignore the fixed pivots  $O_2$  and  $O_4$  shown. Build a cardboard model and add a driver dyad to limit its motion to the range of positions designed, making it a sixbar.
- 3-58 Design a fourbar mechanism to give the three positions shown in Figure P3-16 using the fixed pivots  $O_2$  and  $O_4$  shown. (See Example 3-7.) Build a cardboard model and add a driver dyad to limit its motion to the range of positions designed, making it a sixbar.