

**FIGURE P6-2**

Configuration and terminology for Problems 6-6, 6-7, 6-110, 6-111

- 6-110 The general linkage configuration and terminology for an offset fourbar slider-crank linkage are shown in Figure P6-2 (p. 329). The link lengths and the values of d and \dot{d} are defined in Table P6-5. For the row(s) assigned, find the velocity of the pin joint A and the angular velocity of the crank using a graphical method.
- 6-111 The general linkage configuration and terminology for an offset fourbar slider-crank linkage are shown in Figure P6-2 (p. 329). The link lengths and the values of d and \dot{d} are defined in Table P6-5. For the rows assigned, find the velocity of pin joint A and the angular velocity of the crank using the analytic method. Draw the linkage to scale and label it before setting up the equations.

TABLE P6-5 Data for Problems 6-110 to 6-111[‡]

Row	Link 2	Link 3	Offset	d	\dot{d}
<i>a</i>	1.4	4	1	2.5	10
<i>b</i>	2	6	-3	5	-12
<i>c</i>	3	8	2	8	-15
<i>d</i>	3.5	10	1	-8	24
<i>e</i>	5	20	-5	15	-50
<i>f</i>	3	13	0	-12	-45
<i>g</i>	7	25	10	25	100

[‡] Drawings of these linkages are in the *PDF Problem Workbook* folder on the DVD.