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Solution: Draw the vectors accurately and then measure  $F_{AC}$ .  $F_{Bj}$ .  $F_{AC}$   $F_{Bj}$   $D134$  N. Problem 2.8 The sum of the forces  $F_{AC}$   $F_{BC}$   $F_{CD}$   $0$ . The magnitude  $F_{Aj}$   $D100$  N and the angle  $D$   $60^\circ$ . Graphically determine the magnitudes  $F_{Bj}$  and  $F_{Cj}$ .  $30$   $F_B$   $F_A$   $F_C$ . a. Solution: Draw the vectors so that they add to zero.  $F_{Bj}$   $D86.6$  N  $F_{Cj}$   $D50.0$  N. Problem 2.9 The sum of the forces  $F_{AC}$   $F_{BC}$   $F_{CD}$   $0$ .

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