

Solution:**Case I:**

$$E = \$35,000 \text{ (revenues - expenses)}$$

$$D = \$70,000 \text{ (beginning retained earnings + income - dividends)}$$

$$C = \$15,000 \text{ (no more investment by shareholders)}$$

$$A = \$30,000 \text{ (balance sheet equation)}$$

$$B = \$10,000 \text{ (balance sheet equation)}$$

Case II:

$$K = \$230,000 \text{ (expenses + income)}$$

$$J = \$83,000 \text{ (beginning retained earnings + income - dividends)}$$

$$H = \$50,000 \text{ (investment by shareholders)}$$

$$F = \$160,000 \text{ (balance sheet equation)}$$

$$G = \$147,000 \text{ (balance sheet equation)}$$

Case III:

$$Q = \$30,000 \text{ (beginning retained earnings + income - ending retained earnings)}$$

$$P = \$40,000 \text{ (revenues - expenses)}$$

$$N = \$50,000 \text{ (investment)}$$

$$L = \$275,000 \text{ (balance sheet equation)}$$

$$M = \$310,000 \text{ (balance sheet equation)}$$