

CHAPTER 7

7.7 (On AJ) $\mathbf{F} = 103.9 \text{ N}\nearrow$; $\mathbf{V} = 60.0 \text{ N}\nearrow$;
 $\mathbf{M} = 18.71 \text{ N}\cdot\text{m}\nearrow$.

7.16 (On AK) $\mathbf{F} = 560 \text{ N}\leftarrow$; $\mathbf{V} = 90.0 \text{ N}\downarrow$;
 $\mathbf{M} = 70.0 \text{ N}\cdot\text{m}\downarrow$.

7.40 (b) 40.0 kN ; $40.0 \text{ kN}\cdot\text{m}$.

7.52 800 N ; $180.0 \text{ N}\cdot\text{m}$.

7.80 (a) $18.00 \text{ kip}\cdot\text{ft}$, 3 ft from A.
(b) $34.1 \text{ kip}\cdot\text{ft}$, 2.25 ft from A.