

CHAPTER 5

5.14 $\bar{X} = 30.0 \text{ mm}$, $\bar{Y} = 64.8 \text{ mm}$.

5.23 $F_B = 459 \text{ N}$.

5.47 $\bar{x} = 3a/8$, $\bar{y} = b$.

5.76 $\mathbf{R} = 2400 \text{ N}\downarrow$, 2.33 m to the right of A.
 $\mathbf{A} = 1000 \text{ N}\uparrow$; $\mathbf{B} = 1400 \text{ N}\uparrow$.

5.111 $\bar{Z} = 26.2 \text{ mm}$.

5.129 $\bar{X} = 61.1 \text{ mm}$ from the end of the handle.