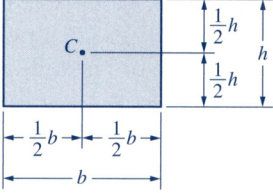
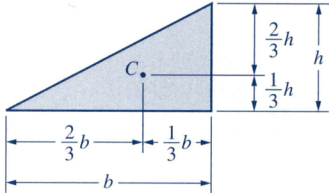
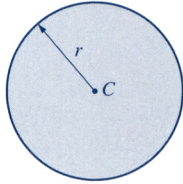
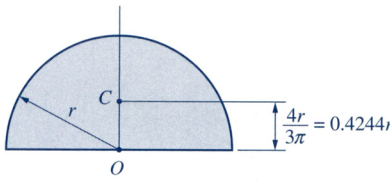
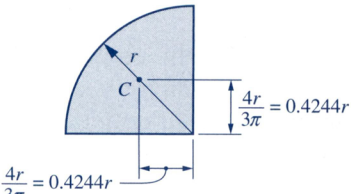
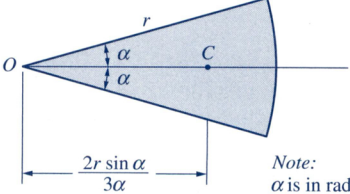
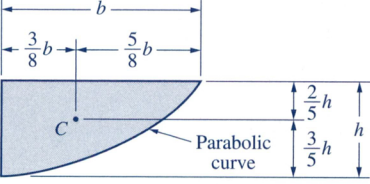
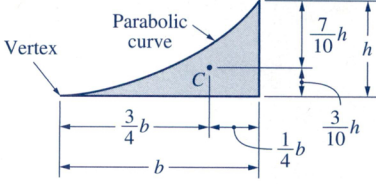


TABLE 7-2 Centroids of Areas of Common Shapes

<p style="text-align: center;">Rectangle</p>  <p style="text-align: center;">$A = bh$</p>	<p style="text-align: center;">Triangle</p>  <p style="text-align: center;">$A = \frac{1}{2}bh$</p>
<p style="text-align: center;">Circle</p>  <p style="text-align: center;">$A = \pi r^2$</p>	<p style="text-align: center;">Semicircle</p>  <p style="text-align: center;">$A = \frac{1}{2}\pi r^2$</p>
<p style="text-align: center;">Quarter-Circle</p>  <p style="text-align: center;">$A = \frac{1}{4}\pi r^2$</p>	<p style="text-align: center;">Sectors</p>  <p style="text-align: center;">$A = \alpha r^2$</p> <p style="text-align: right;"><i>Note: α is in radians.</i></p>
<p style="text-align: center;">Semiparabolic Area</p>  <p style="text-align: center;">$A = \frac{2}{3}bh$</p>	<p style="text-align: center;">Parabolic Spandrel</p>  <p style="text-align: center;">$A = \frac{1}{3}bh$</p>