

Table 3: Properties of Areas

Shape	Figure	Area	Centroidal Distance \bar{x}
(a) Triangle		$\frac{bh}{2}$	$\frac{b+c}{3}$
(b) Right triangle		$\frac{bh}{2}$	$\frac{b}{3}$
(c) Parabola		$\frac{2bh}{3}$	$\frac{3b}{8}$
(d) Parabola		$\frac{bh}{3}$	$\frac{b}{4}$
(e) Third-degree parabola		$\frac{bh}{4}$	$0.2b$
(f) Rectangle		bh	$\frac{b}{2}$
(g) Trapezoid		$\frac{b}{2}(h_1 + h_2)$	$\frac{b(2h_1 + h_2)}{3(h_1 + h_2)}$