Minimum
$\min\{x, y\}$

Harmonic mean:
$H(x, y) = \frac{2xy}{x+y}$

Geometric mean:
$G(x, y) = \sqrt{xy}$

Arithmetic mean:
$A(x, y) = \frac{x+y}{2}$

Root Mean Square (RMS)
quadratic mean
$\mathrm{RMS}(x, y) = \sqrt{\frac{x^2+y^2}{2}}$

Maximum:
$\max\{x, y\}$

Heronian mean
$\mathrm{Heron}(x, y) = \frac{1}{3}\left(x + y + \sqrt{xy}\right)$
$= \frac{2}{3}A(x, y) + \frac{1}{3}G(x, y)$

Power means
Hölder, Minkowski, ℓ_a
$P_a(x, y) =$
$$\begin{cases} (x^a + y^a)^{\frac{1}{a}}, & a \neq 0 \\ \sqrt{xy} = G(x, y), & a = 0 \end{cases}$$