SECTION 4.4: INDETERMINATE FORMS REFERENCE SHEET

Indeterminate form	technique	NOT indeterminate forms	limit
$\frac{0}{0}$	Algebra; L'H if necessary	$\infty + \infty, -\infty - \infty$	∞ or $-\infty$ (as appropriate)
<u>&</u> &	Algebra; L'H if necessary	10	1
$\infty - \infty$	algebra to rewrite as $\frac{0}{0}$ or $\frac{\infty}{\infty}$	$\frac{1}{\infty}$	0
$0 \cdot \infty$	algebra to rewrite as $\frac{0}{0}$ or $\frac{\infty}{\infty}$	$\pm \infty \cdot \pm \infty$	$\pm \infty$
1∞	Use logs to transform	$\frac{1}{0}$	∞
00	Use logs to transform	0^{∞}	0
∞^0	Use logs to transform	∞^{∞}	∞

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