$a \qquad \qquad b \qquad \qquad c \qquad \qquad e \qquad \qquad \ell$ apa $- \frac{b}{\sqrt{1 - e^2}} \frac{b}{\ell} \qquad b\sqrt{1 + \frac{b^2}{p^2}}$   $\frac{c}{e} \frac{\ell + \sqrt{4c^2 + \ell^2}}{2} \qquad \sqrt{cp + c^2}$ bc $- \frac{b}{\sqrt{1 - e^2}} \qquad \frac{c}{e} \qquad - \qquad \frac{\ell}{1 - e^2} \qquad \frac{ep}{1 - e^2}$   $- \frac{b^2}{\ell} \qquad \frac{\ell + \sqrt{4c^2 + \ell^2}}{2} \qquad \frac{\ell}{1 - e^2} \qquad - \qquad \frac{\ell}{1 - \frac{\ell^2}{p^2}}$   $- b\sqrt{1 + \frac{b^2}{p^2}} \qquad \sqrt{cp + c^2} \qquad \frac{ep}{1 - e^2} \qquad \frac{\ell}{1 - \frac{\ell^2}{p^2}} \qquad$ e

 $\ell$ 

p

 $a \qquad \qquad b \qquad \qquad c \qquad \qquad e \qquad \qquad \ell$ bp $\sqrt{a^2 - c^2} \qquad \qquad a\sqrt{1 - e^2} \qquad \qquad \sqrt{\frac{\sqrt{4a^2p^2 + p^4} - p^2}{2}}$ ab $\frac{c}{e}\sqrt{1-e^2} \qquad \sqrt{\frac{\sqrt{4c^2\ell^2+\ell^4}+\ell^2}}{2} \qquad \sqrt{cp}$ c $- \qquad \qquad \frac{c}{e}\sqrt{1-e^2} \qquad \qquad - \qquad \qquad \frac{\ell}{\sqrt{1-e^2}} \qquad \qquad \frac{ep}{\sqrt{1-e^2}}$ e $\ell \qquad \qquad - \qquad \sqrt{\frac{\sqrt{4c^2\ell^2 + \ell^4} + \ell^2}{2}} \qquad \frac{\ell}{\sqrt{1 - e^2}} \qquad \qquad - \qquad \qquad \frac{\ell}{1 - \frac{\ell^2}{p^2}}$  $\sqrt{\frac{\sqrt{4a^2p^2+p^4}-p^2}{2}} \qquad \qquad - \qquad \qquad \frac{ep}{\sqrt{1-e^2}} \qquad \qquad \frac{\ell}{1-\frac{\ell^2}{p^2}}$ 

c	a	b	c	e	$\ell$	p
a	-	$\sqrt{a^2-b^2}$	-	ae	$\sqrt{a^2 - a\ell}$	$\frac{-p + \sqrt{4a^2 + p^2}}{2}$
b	$\sqrt{a^2-b^2}$	-	-	$\frac{be}{\sqrt{1-e^2}}$	$b\sqrt{\frac{b^2}{\ell^2}-1}$	$\frac{b^2}{p}$
c	$\sqrt{a^2-b^2}$	-	-	-	_	-
e	ae	$\frac{be}{\sqrt{1-e^2}}$	_	_	$\frac{e\ell}{1 - e^2}$	$\frac{pe^2}{1 - e^2}$
$\ell$	$\sqrt{a^2 - a\ell}$	$b\sqrt{\frac{b^2}{\ell^2}-1}$	-	$\frac{e\ell}{1-e^2}$	_	$\frac{p}{\frac{p^2}{\ell^2}-1}$
p	$-ae$ $\sqrt{a^2 - a\ell}$ $\frac{-p + \sqrt{4a^2 + p^2}}{2}$	$\frac{b^2}{p}$	-	$\frac{pe^2}{1 - e^2}$	$\frac{p}{\frac{p^2}{\ell^2} - 1}$	-

e	a	b	c	e	$\ell$	p
$\overline{a}$	-	$\sqrt{1 - \frac{b^2}{a^2}}$	$\frac{c}{a}$	-	$\sqrt{1-rac{\ell}{a}}$	$\frac{-p + \sqrt{4a^2 + p^2}}{2a}$
b	$\sqrt{1 - \frac{b^2}{a^2}}$	_	$\frac{c}{\sqrt{b^2 + c^2}}$	-	$\sqrt{1 - \frac{\ell^2}{b^2}}$ $\frac{-\ell + \sqrt{4c^2 + \ell^2}}{2c}$	$\frac{b}{\sqrt{b^2 + p^2}}$
c	$\frac{c}{a}$	$\frac{c}{\sqrt{b^2 + c^2}}$	-	-	$\frac{-\ell + \sqrt{4c^2 + \ell^2}}{2c}$	$\sqrt{\frac{c}{c+p}}$
e	_	-	-	-	-	-
$\ell$	$\sqrt{1-rac{\ell}{a}}$	$\sqrt{1-\frac{\ell^2}{b^2}}$	$\frac{-\ell + \sqrt{4c^2 + \ell^2}}{2c}$	-	-	$\frac{\ell}{p}$
p	$-\frac{\sqrt{1-\frac{b^2}{a^2}}}{\frac{c}{a}}$ $-\frac{\sqrt{1-\frac{\ell}{a}}}{2a}$	$\frac{b}{\sqrt{b^2 + p^2}}$	$\sqrt{\frac{c}{c+p}}$	_	$\frac{\ell}{p}$	-

 $b \hspace{1cm} c \hspace{1cm} e \hspace{1cm} \ell$ ap $\frac{a^2 - c^2}{a} \qquad \qquad a(1 - e^2)$ a $\frac{b^2}{\sqrt{b^2 + c^2}} \qquad \qquad b\sqrt{1 - e^2}$ b $\frac{c}{e}(1-e^2) \qquad \qquad$ ce $\ell$ 

 $\frac{bp}{\sqrt{b^2 + p^2}} \qquad \qquad \sqrt{\frac{cp^2}{c+p}} \qquad ep$ 

p

p	a	b	c	e	$\ell$	p
a	-	$\frac{b^2}{\sqrt{a^2 - b^2}}$	$\frac{a^2 - c^2}{c}$	$\frac{a}{e}(1-e^2)$	$\sqrt{\frac{a\ell^2}{a-\ell}}$	_
b	$\frac{b^2}{\sqrt{a^2-b^2}}$	_	$\frac{b^2}{c}$	$\frac{b}{e}\sqrt{1-e^2}$	$\frac{b\ell}{\sqrt{b^2-\ell^2}}$	-
c	$\frac{a^2 - c^2}{c}$	$\frac{b^2}{c}$	-	$\frac{c}{e^2}(1-e^2)$	$\frac{\ell^2 + \sqrt{4c^2\ell^2 + \ell^4}}{2c}$	_
e	$\frac{a}{e}(1-e^2)$	$\frac{b}{e}\sqrt{1-e^2}$	$\frac{c}{e^2}(1-e^2)$	_	$rac{\ell}{e}$	_
$\ell$	$\sqrt{\frac{a\ell^2}{a-\ell}}$	$\frac{b\ell}{\sqrt{b^2-\ell^2}}$	$\frac{b^2}{c}$ $-\frac{c}{e^2}(1-e^2)$ $\frac{\ell^2 + \sqrt{4c^2\ell^2 + \ell^4}}{2c}$	$rac{\ell}{e}$	-	-
p	_	_	_	-	-	-