a	a	b	c	e	ℓ	p
a	–	–	–	–	–	–
b	–	–	$\sqrt{b^2+c^2}$	$\dfrac{b}{\sqrt{1-e^2}}$	$\dfrac{b^2}{\ell}$	$b\sqrt{1+\dfrac{b^2}{p^2}}$
c	–	$\sqrt{b^2+c^2}$	–	$\dfrac{c}{e}$	$\frac{\ell+\sqrt{4c^2+\ell^2}}{2}$	$\sqrt{cp+c^2}$
e	–	$\dfrac{b}{\sqrt{1-e^2}}$	$\dfrac{c}{e}$	–	$\dfrac{\ell}{1-e^2}$	$\dfrac{ep}{1-e^2}$
ℓ	–	$\dfrac{b^2}{\ell}$	$\frac{\ell+\sqrt{4c^2+\ell^2}}{2}$	$\dfrac{\ell}{1-e^2}$	–	$\dfrac{\ell}{1-\dfrac{\ell^2}{p^2}}$
p	–	$b\sqrt{1+\dfrac{b^2}{p^2}}$	$\sqrt{cp+c^2}$	$\dfrac{ep}{1-e^2}$	$\dfrac{\ell}{1-\dfrac{\ell^2}{p^2}}$	–

b	a	b	c	e	ℓ	p
a	$-$	$-$	$\sqrt{a^2 - c^2}$	$a\sqrt{1 - e^2}$	$\sqrt{a\ell}$	$\sqrt{\dfrac{\sqrt{4a^2 p^2 + p^4} - p^2}{2}}$
b	$-$	$-$	$-$	$-$	$-$	$-$
c	$\sqrt{a^2 - c^2}$	$-$	$-$	$\dfrac{c}{e}\sqrt{1 - e^2}$	$\sqrt{\dfrac{\sqrt{4c^2 \ell^2 + \ell^4} + \ell^2}{2}}$	$\sqrt{cp}$
e	$a\sqrt{1 - e^2}$	$-$	$\dfrac{c}{e}\sqrt{1 - e^2}$	$-$	$\dfrac{\ell}{\sqrt{1 - e^2}}$	$\dfrac{ep}{\sqrt{1 - e^2}}$
ℓ	$\sqrt{a\ell}$	$-$	$\sqrt{\dfrac{\sqrt{4c^2 \ell^2 + \ell^4} + \ell^2}{2}}$	$\dfrac{\ell}{\sqrt{1 - e^2}}$	$-$	$\dfrac{\ell}{1 - \dfrac{\ell^2}{p^2}}$
p	$\sqrt{\dfrac{\sqrt{4a^2 p^2 + p^4} - p^2}{2}}$	$-$	$\sqrt{cp}$	$\dfrac{ep}{\sqrt{1 - e^2}}$	$\dfrac{\ell}{1 - \dfrac{\ell^2}{p^2}}$	$-$

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

e	a	b	c	e	ℓ	p
a	—	$\sqrt{1-\dfrac{b^2}{a^2}}$	$\dfrac{c}{a}$	—	$\sqrt{1-\dfrac{\ell}{a}}$	$\dfrac{-p+\sqrt{4a^2+p^2}}{2a}$
b	$\sqrt{1-\dfrac{b^2}{a^2}}$	—	$\dfrac{c}{\sqrt{b^2+c^2}}$	—	$\sqrt{1-\dfrac{\ell^2}{b^2}}$	$\dfrac{b}{\sqrt{b^2+p^2}}$
c	$\dfrac{c}{a}$	$\dfrac{c}{\sqrt{b^2+c^2}}$	—	—	$\dfrac{-\ell+\sqrt{4c^2+\ell^2}}{2c}$	$\sqrt{\dfrac{c}{c+p}}$
e	—	—	—	—	—	—
ℓ	$\sqrt{1-\dfrac{\ell}{a}}$	$\sqrt{1-\dfrac{\ell^2}{b^2}}$	$\dfrac{-\ell+\sqrt{4c^2+\ell^2}}{2c}$	—	—	$\dfrac{\ell}{p}$
p	$\dfrac{-p+\sqrt{4a^2+p^2}}{2a}$	$\dfrac{b}{\sqrt{b^2+p^2}}$	$\sqrt{\dfrac{c}{c+p}}$	—	$\dfrac{\ell}{p}$	—

ℓ	a	b	c	e	ℓ	p
a	—	$\dfrac{b^2}{a}$	$\dfrac{a^2-c^2}{a}$	$a(1-e^2)$	—	$\frac{-p^2+\sqrt{4a^2p^2+p^4}}{2a}$
b	$\dfrac{b^2}{a}$	—	$\dfrac{b^2}{\sqrt{b^2+c^2}}$	$b\sqrt{1-e^2}$	—	$\dfrac{bp}{\sqrt{b^2+p^2}}$
c	$\dfrac{a^2-c^2}{a}$	$\dfrac{b^2}{\sqrt{b^2+c^2}}$	—	$\dfrac{c}{e}(1-e^2)$	—	$\sqrt{\dfrac{cp^2}{c+p}}$
e	$a(1-e^2)$	$b\sqrt{1-e^2}$	$\dfrac{c}{e}(1-e^2)$	—	—	ep
ℓ	—	—	—	—	—	—
p	$\frac{-p^2+\sqrt{4a^2p^2+p^4}}{2a}$	$\dfrac{bp}{\sqrt{b^2+p^2}}$	$\sqrt{\dfrac{cp^2}{c+p}}$	ep	—	—

p	a	b	c	e	ℓ	p
a	–	$\dfrac{b^2}{\sqrt{a^2-b^2}}$	$\dfrac{a^2-c^2}{c}$	$\dfrac{a}{e}(1-e^2)$	$\sqrt{\dfrac{a\ell^2}{a-\ell}}$	–
b	$\dfrac{b^2}{\sqrt{a^2-b^2}}$	–	$\dfrac{b^2}{c}$	$\dfrac{b}{e}\sqrt{1-e^2}$	$\dfrac{b\ell}{\sqrt{b^2-\ell^2}}$	–
c	$\dfrac{a^2-c^2}{c}$	$\dfrac{b^2}{c}$	–	$\dfrac{c}{e^2}(1-e^2)$	$\dfrac{\ell^2+\sqrt{4c^2\ell^2+\ell^4}}{2c}$	–
e	$\dfrac{a}{e}(1-e^2)$	$\dfrac{b}{e}\sqrt{1-e^2}$	$\dfrac{c}{e^2}(1-e^2)$	–	$\dfrac{\ell}{e}$	–
ℓ	$\sqrt{\dfrac{a\ell^2}{a-\ell}}$	$\dfrac{b\ell}{\sqrt{b^2-\ell^2}}$	$\dfrac{\ell^2+\sqrt{4c^2\ell^2+\ell^4}}{2c}$	$\dfrac{\ell}{e}$	–	–
p	–	–	–	–	–	–