

Answers to Questions

Neutralisation (from page 26)

1. $+ 2.50 \times 65$ and $+ 1.00 \times 155 = + 2.50 / - 1.50 \times 155$
2. $+ 1.50 \times 85$ and $- 1.00 \times 175 = + 1.50 / - 2.50 \times 175$
3. $- 3.75 \times 45$ and $- 1.00 \times 135 = - 1.00 / - 1.75 \times 45$
4. plano $\times 90$ and $+ 1.75 \times 180 = + 1.75 / - 1.75 \times 90$
5. $- 0.25 \times 10$ and $+ 1.50 \times 100 = + 1.50 / - 1.75 \times 10$
6. $+ 6.00 \times 90$ and $- 1.00 \times 180 = + 6.00 / - 7.00 \times 180$
7. $+ 10.00 \times 80$ and $+ 12.00 \times 170 = + 12.00 / - 2.00 \times 80$
8. $- 1.75 \times 180$ and plano $\times 90 =$ plano $/ - 1.75 \times 180$
9. $+ 3.00 \times 125$ and $- 3.00 \times 35 = + 3.00 / - 6.00 \times 35$
10. $- 4.75 \times 25$ and plano $\times 115 =$ plano $/ - 4.75 \times 25$

Transposition (from page 27)

1. $+ 2.50 / - 1.50 \times 40 = + 1.00 / + 1.50 \times 130$
2. $+ 6.00 / + 2.50 \times 130 = + 8.50 / 2.50 \times 40$
3. $- 1.00 / + 2.00 \times 55 = + 1.00 / - 2.00 \times 145$
4. $- 3.00 / - 2.25 \times 175 = - 5.25 / + 2.25 \times 85$
5. $+ 5.00 / - 4.25 \times 95 = + 0.75 / + 4.25 \times 5$
6. $+ 2.25 / - 2.25 \times 160 =$ plano $/ + 2.25 \times 70$

Spherical Equivalent (from page 28)

1. $+ 2.50 / - 1.50 \times 40 = + 1.75$
2. $+ 6.00 / + 2.50 \times 130 = + 7.25$
3. $- 1.00 / + 2.00 \times 55 =$ plano
4. $- 3.00 / - 2.25 \times 175 = - 4.00$ or $- 4.25$
5. $+ 5.00 / - 4.25 \times 95 = + 3.00$ or $+ 2.75$
6. $+ 2.25 / - 2.25 \times 160 = + 1.25$ or $+ 1.00$

The Crossed Cylinder Lens (from page 33)

Spherical equivalent of a crossed cylinder lens = plano!