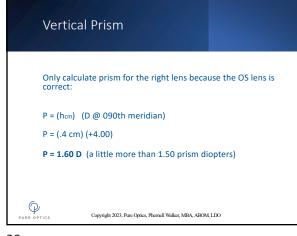
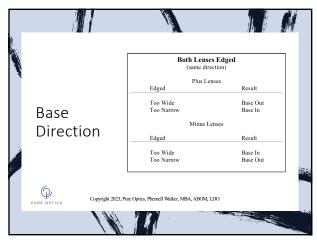


Vertical Prism The O.C. of a OD lens was edged at 30mm. And the OS lens was edged at 26mm. How much vertical prism was induced with the Rx below? $0.D. \pm 4.25 = 1.00 \times 060$ $0.S. \pm 4.25 = 0.75 \times 135$ OC: 26mm Operation Copyright 2023, Pure Optics, Phemedi Walker, MBA, ABOM, LDO

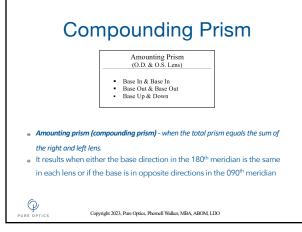


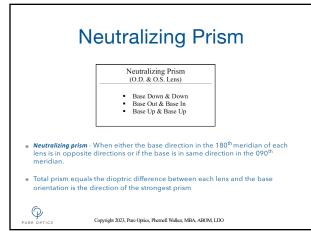


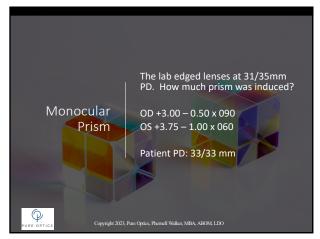










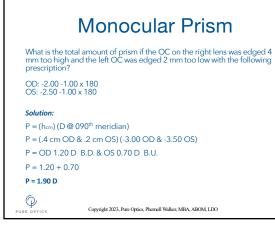


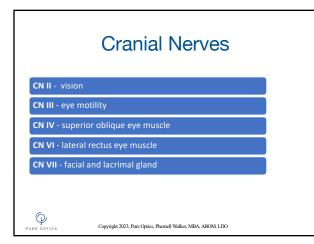


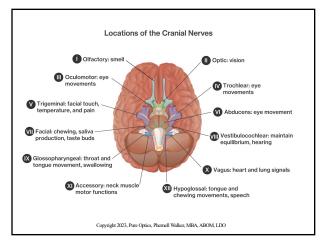
Solution

P = (h _{cm}) (D @ 180 th meridian)	
P = (OD 31 -33 = 2 mm & OS 35 – 33 = 2 mm) (O.D. +2.50 & O.S. +3.00)	
P = (OD .2cm & OS .2cm) (OD +2.50 & O.S. +3.00)	
O.D. Prism = (.2 cm too narrow) (+2.50) &	O.S. Prism = (.2 cm too wide) (+3.00)
O.D. Prism = 0.50 D. B.I. & O.S. Prism = 0.	60 D. B.O.
Total Prism = Prism OD + Prism OS	
Total Prism = 0.50 D B. I. + 0.60 D. B. O.	
Total Prism = 0.10 D B.O. (base out becau	use the stronger prism is Base Out)
PURE OPTICS Copyright 2023, Pure Optics, Phermet	l Walker, MBA, ABOM, LDO

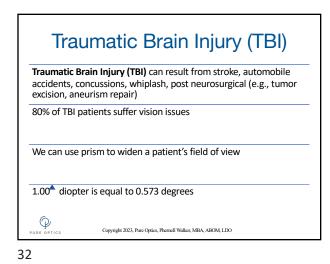
28

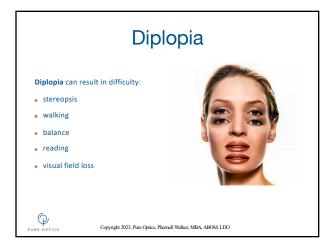


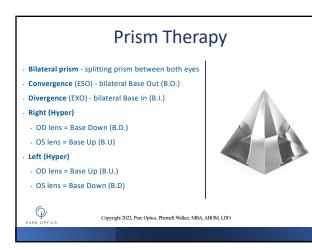




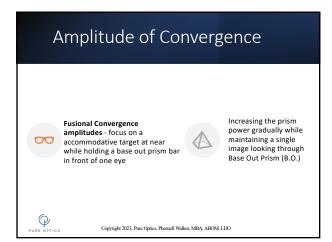


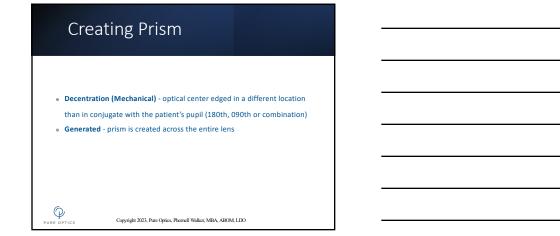


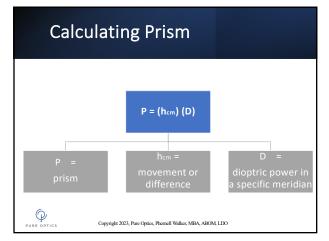


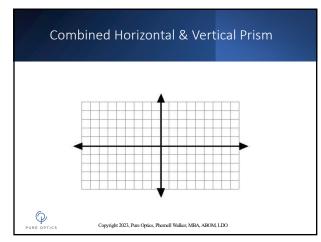














C	onvert Degrees to Rectangular Notation
	= De (sine a) = De (cosine a)
wł	nere:
•	V = vertical prism
Θ	H = horizontal prism
	De = prism dioptric power
PURE OPTICS	Cepyright 2023, Pure Optics, Phernell Walker, MBA, ABOM, LDO

