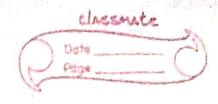


Relation between Degree and Radian Consider a Circle with centre o and radius y. Let A be a point on the Circle. Now Cut off an arc AP whose length is equal to the radius V of The Cirele. This LAOPEIC. To produce As to meet the circle at B. This are AB is half of the when fine and hence it's light is TIV. Also LAOB = a Straight line = 180° ble know that anglis at The centre ef a cinele asi proportional to the ares Subtending them flence LAOB arcab. 1 = 180° = (180) = (715 22) OV 1 = (180) The relation between degree measures and radian measures of Inse Standard anglis



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<u>(a)</u>	(15)	- 2 Tx 1	80° = 0	360 =	24°
_(a)	$\frac{2\pi}{15}$ $\frac{2\pi}{15} \approx 1^{C}$	= 2 / x 1	80° = 0	15	24°
(a) (b)	(15)	- 27 x 1	80° = 0	15	24°
(a) (b)	(15)	= 21 x 1 15 1 1 x 180 =	80° = 0 # 45 - 4	5 _1	24°
(a) (b)	(15)	- 21/2 1 15 1/2 180 =	II de	360 = 15 = 1 17 0	24° ====================================
(a) (b)	(15)	= 21 x 1 15 15 = 1 1 x 180 = 1 315)=114.5		5 _1	24° 35 17.
(a) (b)	(15)	$\frac{-2\pi \times 1}{15} = \frac{1}{1} \times \frac{180}{11} = \frac{1}{11} \times \frac{180}{11} = \frac{1}{22} \times \frac{180}{22} = \frac{114.7}{2} = \frac{114.7}{2$	11 24 20	5 _1	24° 35 24.
(a) (b)	(15)	$\frac{-2\pi \times 1}{15} = \frac{1}{15} = \frac{1}{15} = \frac{180}{15} = \frac{1}{2} = \frac{114.5}{22} = \frac{114.5}{22} = \frac{1}{2} = $	11 24 20	17 a	24° 35 17.
(a)	(15)	= 2/ 2 [15] 1 × 180 = 1 × 180 = 2 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×	11 24 20	17 a 14 22/315	24° 35 H.

