## Precalculus Homework Lecture 1

	1.	Convert	from	degrees	to	radian
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(a)	15°.	(	h) 120°.	(	(n) $305^{\circ}$ .	
(b)	30°.	$888997132.0 pprox \frac{\pi}{21}$ :198888		answei: $\frac{\Delta \pi}{3}$		answer: $\frac{5.13}{36}$ $\approx 5.323254$
(0)	3U .	$877893523.0 pprox rac{\pi}{3}$ :19Werr (	(i) 135°.	(	(o) 360°.	
(c)	$36^{\circ}$ .			answei: $\frac{3\pi}{4}$		апѕмет: 2 т
	420	$163818823.0 pprox rac{\pi}{6}$ :19Weins	(j) 150°.		(p) 405°.	
(d)	45°.	T. (1)		answer: $\frac{5\pi}{6}$	(~) 19000	answer: $\frac{9\pi}{4}$
(e)	60°.	answer: $\frac{\pi}{4} \approx 0.785398163$	k) 180°.		(q) 1200°.	e
		188791740.1 $pprox rac{\pi}{8} \approx 1.047197551$	(1) 225°.	π snswet: π	$(r) -900^{\circ}.$	answer: $\frac{20\pi}{3}$
(f)	75°.			answer: $\frac{\pi G}{4}$	(1) 500 .	πδ— :Towers
(g)	90°.	$799808.1 \approx \frac{\pi \delta}{21}$ : Townside (U	m) 270°.	-	(s) $-2014^{\circ}$ .	anemor. — g a
(8)		answeit: $\frac{\pi}{2}$		answer: $\frac{3\pi}{2}$	186	enswer: $-\frac{7001}{99} = \pi \times -25.1509$

- 2. Convert from radians to degrees. The answer key has not been proofread, use with caution.
  - (a)  $4\pi$ . (b)  $-\frac{7}{6}\pi$ . (c)  $\frac{4}{3}\pi$ . (g) 5. (e)  $-\frac{3}{8}\pi$ . (h) -2014. (f)  $2014\pi$ .
- 3. Find the indicated circle arc-length. The answer key has not been proofread, use with caution.
  - (a) Circle of radius 3, arc of measure 36°.
  - 996688° T  $\approx \frac{Q}{2E}$  consume the contraction of measure  $100^{\circ}$ .
  - $999248.0 \approx \frac{\pi}{81}$  consult (c) Circle of radius 1, arc of measure 3 (radians).
  - (d) Circle of radius 3, arc of measure  $300^{\circ}$ .

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