Precalculus Homework Angles

1	C	£		4	
1.	Convert	пош	degrees	ш	radians

(a)	15°.	(h) 120°.	(n) 305° .	
(b)	$30^{\circ}.$	(i) 135°.	$\frac{\varepsilon}{\pi c}$ (o) 360° .	answer: $rac{\pi 1 \delta}{3 \epsilon} pprox 5.323254$
(c)	36_{\circ} .	ue	answer: $\frac{3\pi}{4}$	π2 :Tawane
(d)	189818879 0 $\approx \frac{9}{\pi}$:20M1 $45^{\circ}.$	(j) 150°.	(p) 405° .	answer: $rac{\pi e}{\hbar}$:19weri
(e)	$60^{\circ}.$	ue (k) 180°.	(q) 1200°.	answer: $\frac{20\pi}{8}$
(f)	T9926TLF0.T $pprox \frac{c}{\pi}$:30M: 75° .	(l) 225°.	и : эммяне (r) —900°.	$\pi 02$. Townsite
(g)	80_{o} . The state of the	(m) 270°.	$rac{rac{p}{2\sqrt{g}}}{2}$ jansue $(s)~-2014^{\circ}.$	answei: — 5 π
	$\frac{\pi}{2}$:1941:	uv	answer: $\frac{3\pi}{2}$	answer: $-\frac{1007}{500}\pi \approx -35.150931$

2. Convert from radians to degrees. The answer key has not been proofread, use with caution.

(a) 4π .		(d) $\frac{4}{3}\pi$.		(g) 5.	
(b) $-\frac{7}{6}\pi$.	answer: 720°	(e) $-\frac{3}{8}\pi$.	answet: 240°	(h) -2014.	answer: $\left(\frac{900}{1000}\right)^{\circ} \approx 286^{\circ}$
(c) $\frac{7}{12}\pi$.	onswer: −210°	(f) 2014π .	⁰ 3.73 — ∃3werr		answer: -362520°
	answer: 105°		suswer: 362520°		

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° .

answer: $\frac{3\pi}{5}$ ≈ 1.884956

(b) Circle of radius $\frac{1}{2}$, arc of measure 100° .

answer: $\frac{5\pi}{18} \approx 0.872665$

(c) Circle of radius 1, arc of measure 3 (radians).

answer: 3

(d) Circle of radius 3, arc of measure 300° .

839707.31 ≈ π3 ::owans