

Precalculus

Homework

Angles

1. Convert from degrees to radians.

(a) 15° .

(h) 120° .

(n) 305° .

(b) 30° .

(i) 135° .

(o) 360° .

(c) 36° .

(j) 150° .

(p) 405° .

(d) 45° .

(k) 180° .

(q) 1200° .

(e) 60° .

(l) 225° .

(r) -900° .

(f) 75° .

(m) 270° .

(s) -2014° .

(g) 90° .

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) $-\frac{7}{6}\pi$.

(e) $-\frac{3}{8}\pi$.

(h) -2014 .

(c) $\frac{7}{12}\pi$.

(f) 2014π .

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° .

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

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

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