

## Answer on Question #83356 – Math – Trigonometry

### Question

What radian measure is equivalent to  $145^\circ$ ?

- a)  $15\pi/32$
- b)  $32\pi/15$
- c)  $36\pi/29$
- d)  $29\pi/36$

### Solution

Proportion

$$\frac{180^\circ}{145^\circ} = \frac{\pi \text{ rad}}{x \text{ rad}} \Rightarrow x = \left(\frac{145}{180}\right) (\pi \text{ rad}) = \frac{29\pi}{36} \text{ rad}$$

**Answer: d)**  $29\pi/36$ .