Answer on Question #83357 – Math – Trigonometry

Question

What degree measure is equivalent to $-4\pi/9$?

Solution

The π radians equal 180°, so $4 \times \pi = 720°$. Then 720° / 9 = 80°. But we had the minus sign before this expression, so we need to consider the angle in the opposite direction, this means that we need to subtract 80° from the full angle 360°. The degree measure is 360°-80° = 280°.

Answer: 280°.