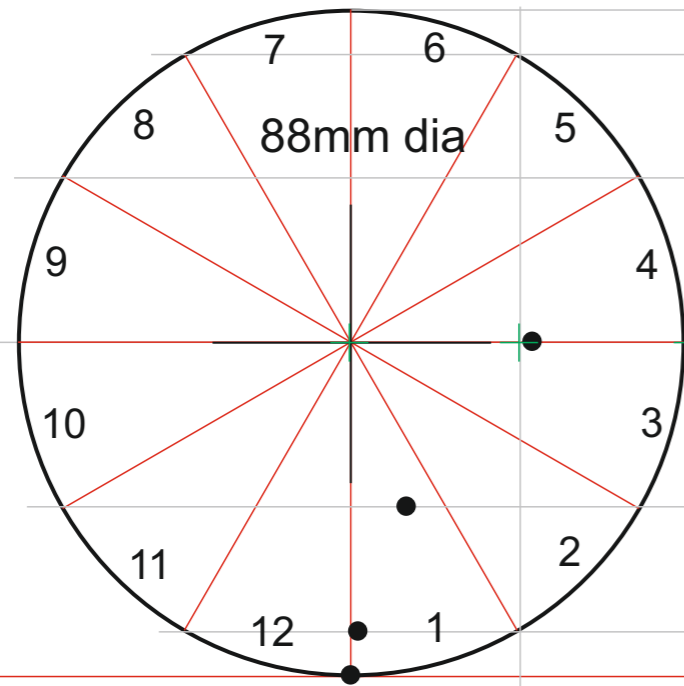


CYCLOIDS

QUESTION

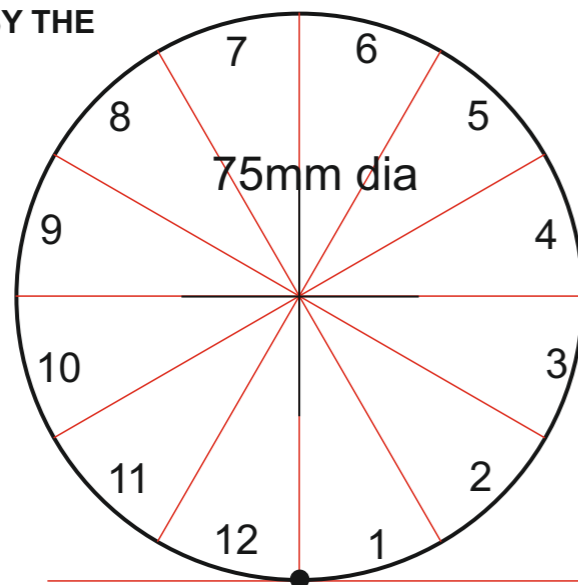
THE CIRCLE BELOW ROLLS ALONG A SURFACE FOR THE DISTANCE OF ONE REVOLUTION. COMPLETE THE CYCLOID BY ADDING THE REMAINING 'POINTS' AND DRAWING ITS CURVE.



1 2 3 4 5 6 7 8 9 10 11 12

QUESTION

THE CIRCUMFERENCE OF THIS CIRCLE HAS A POINT MARKED ON IT AS A DOT. DRAW THE CYCLOID (CURVE) PRODUCED AS THE CIRCLE ROLLS IN THE DIRECTION INDICATED BY THE ARROW.



HELPFUL LINK



HELPFUL LINK: https://technologystudent.com/despro_3/cycloid1.html