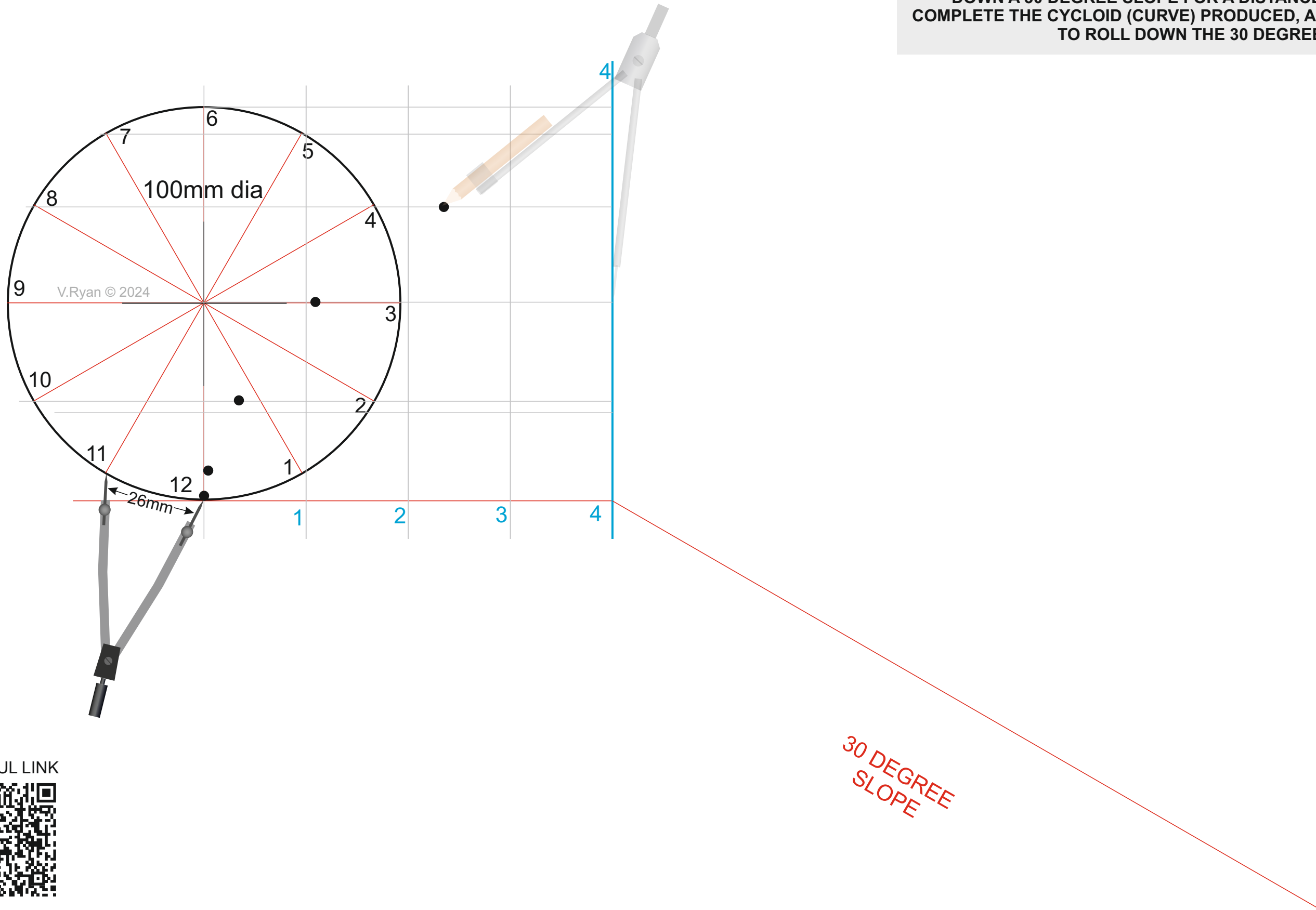


CYCLOIDS

QUESTION

THE CIRCUMFERENCE OF THE CIRCLE HAS A POINT MARKED ON IT AS A DOT. THE CIRCLE ROLLS ALONG A 'FLAT' SURFACE FOR THE EQUIVALENT OF FOUR SECTOR DIVISIONS. IT THEN CONTINUES TO ROTATE AS IT ROLLS DOWN A 30 DEGREE SLOPE FOR A DISTANCE OF EIGHT SECTORS. COMPLETE THE CYCLOID (CURVE) PRODUCED, AS THE CIRCLE CONTINUES TO ROLL DOWN THE 30 DEGREE SLOPE.



HELPFUL LINK

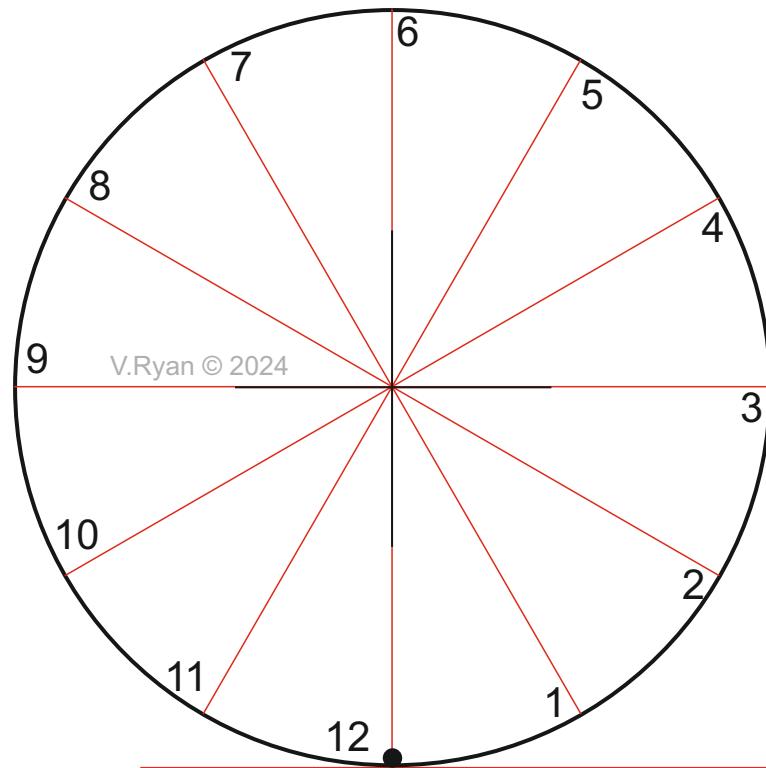


HELPFUL LINK: https://technologystudent.com/despro_3/cycloid2.html

CYCLOIDS

QUESTION

THE CIRCUMFERENCE OF THE CIRCLE HAS A POINT MARKED ON IT AS A DOT. THE CIRCLE ROLLS ALONG A 'FLAT' SURFACE . IT THEN CONTINUES TO ROTATE AS IT ROLLS DOWN A 30 DEGREE SLOPE. DRAW THE CYCLOID (CURVE) PRODUCED, FOR ONE REVOLUTION OF THE CIRCLE.



30 DEGREE
SLOPE

HELPFUL LINK



HELPFUL LINK: https://technologystudent.com/despro_3/cycloid2.html