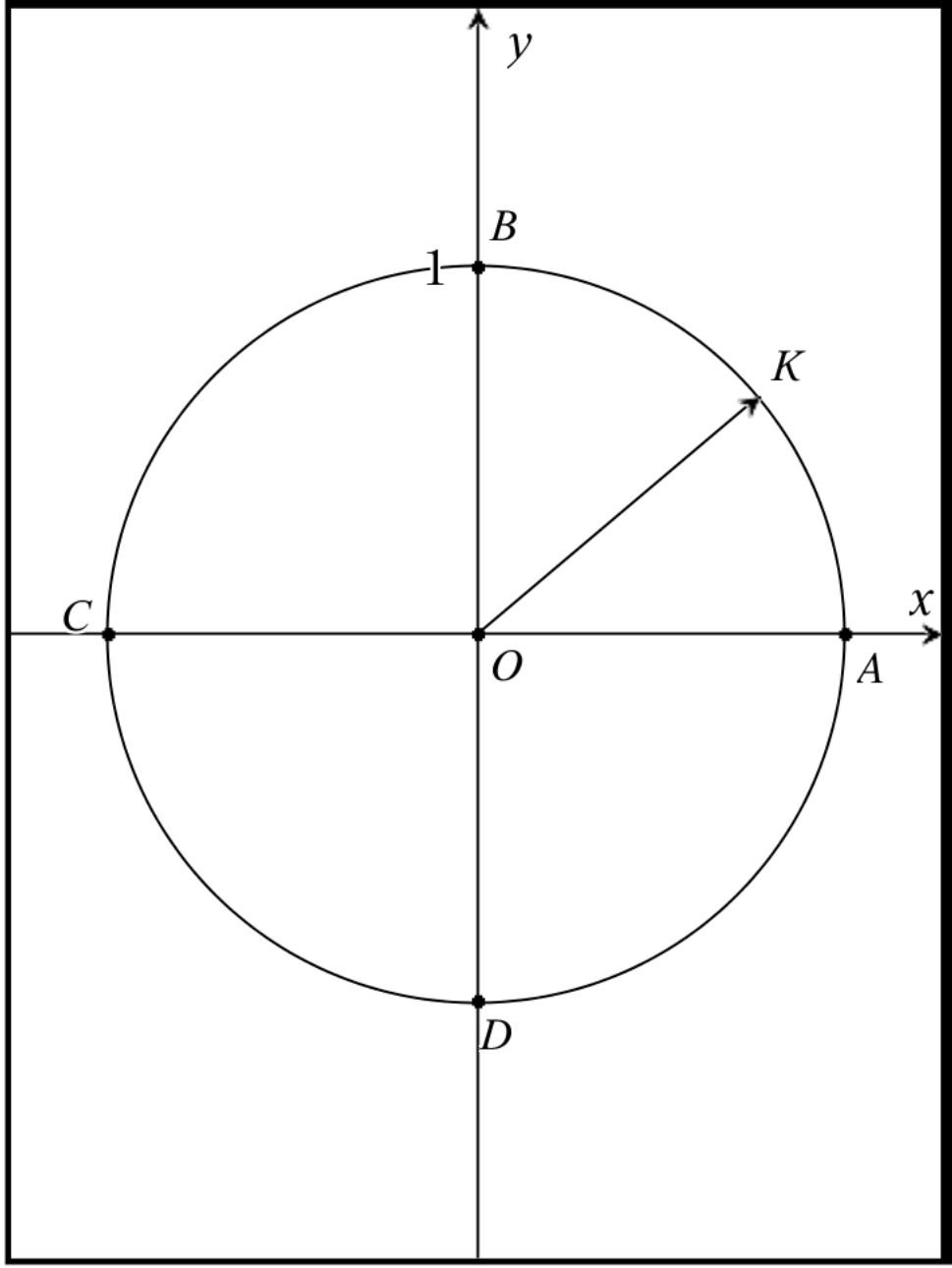
Problem 1



	A	B	C
=			
1	Given angle	400	
2		degree	
3			

A1 "Given angle"

Given angle $400\,°$

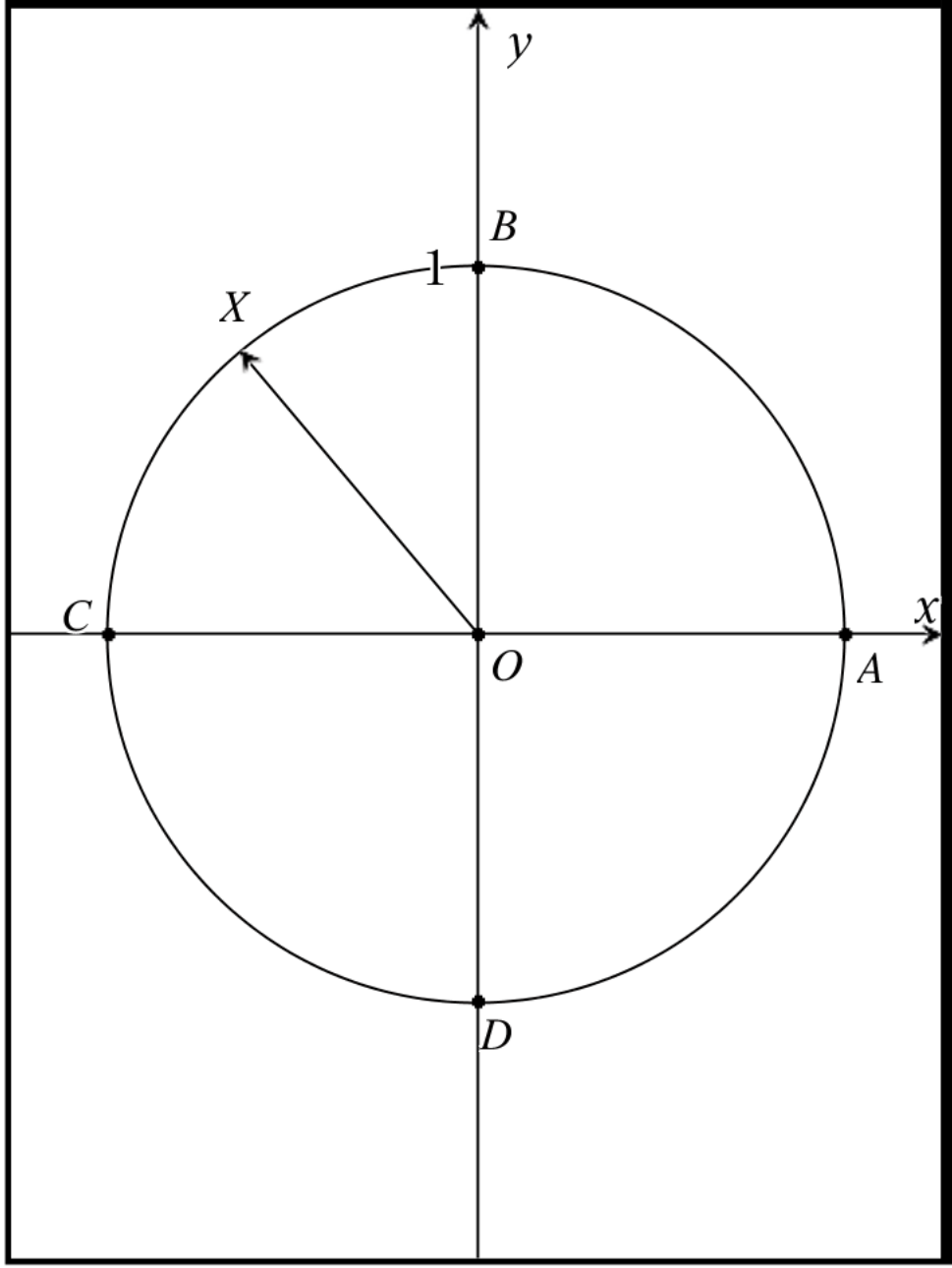
$400 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{20 \cdot \pi}{9}$ rad.

approximate radian measure 6.98 rad.

This angle is a $1+\frac{1}{9}$ revolutions ≈ 1.11 rev.

This angle lies in Q1



	A	B	C
=			
1	Given angle	130	
2		degree	
3			

A1 "Given angle "

Given angle 130 °

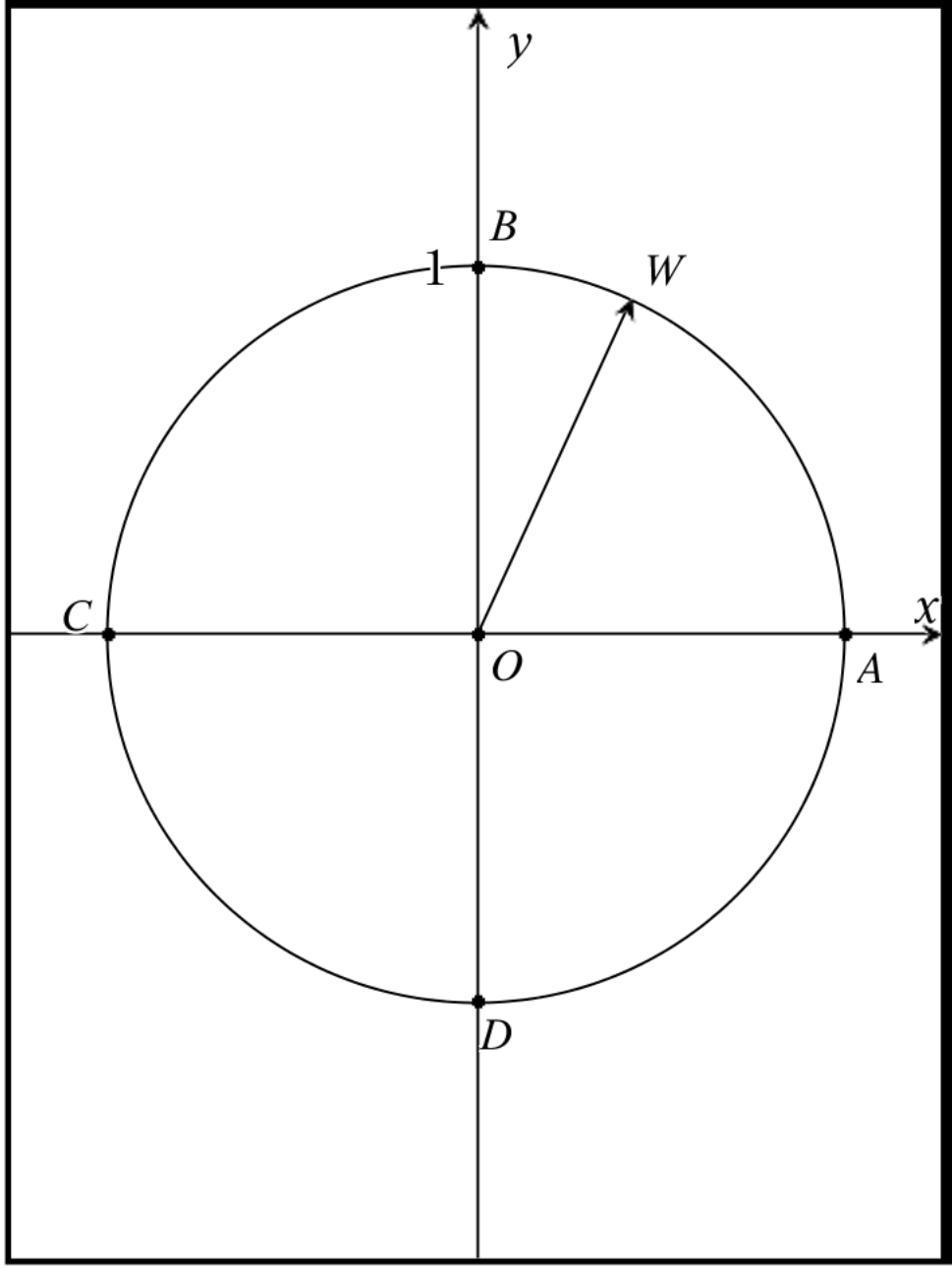
$130 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{13 \cdot \pi}{18}$ rad.

approximate radian measure 2.27 rad.

This angle is a $\frac{13}{36}$ revolutions≈ 0.36 rev.

This angle lies in Q2



	A	B	C
=			
1	Given angle	65	
2		degree	
3			

A1 "Given angle "

Given angle $65\,°$

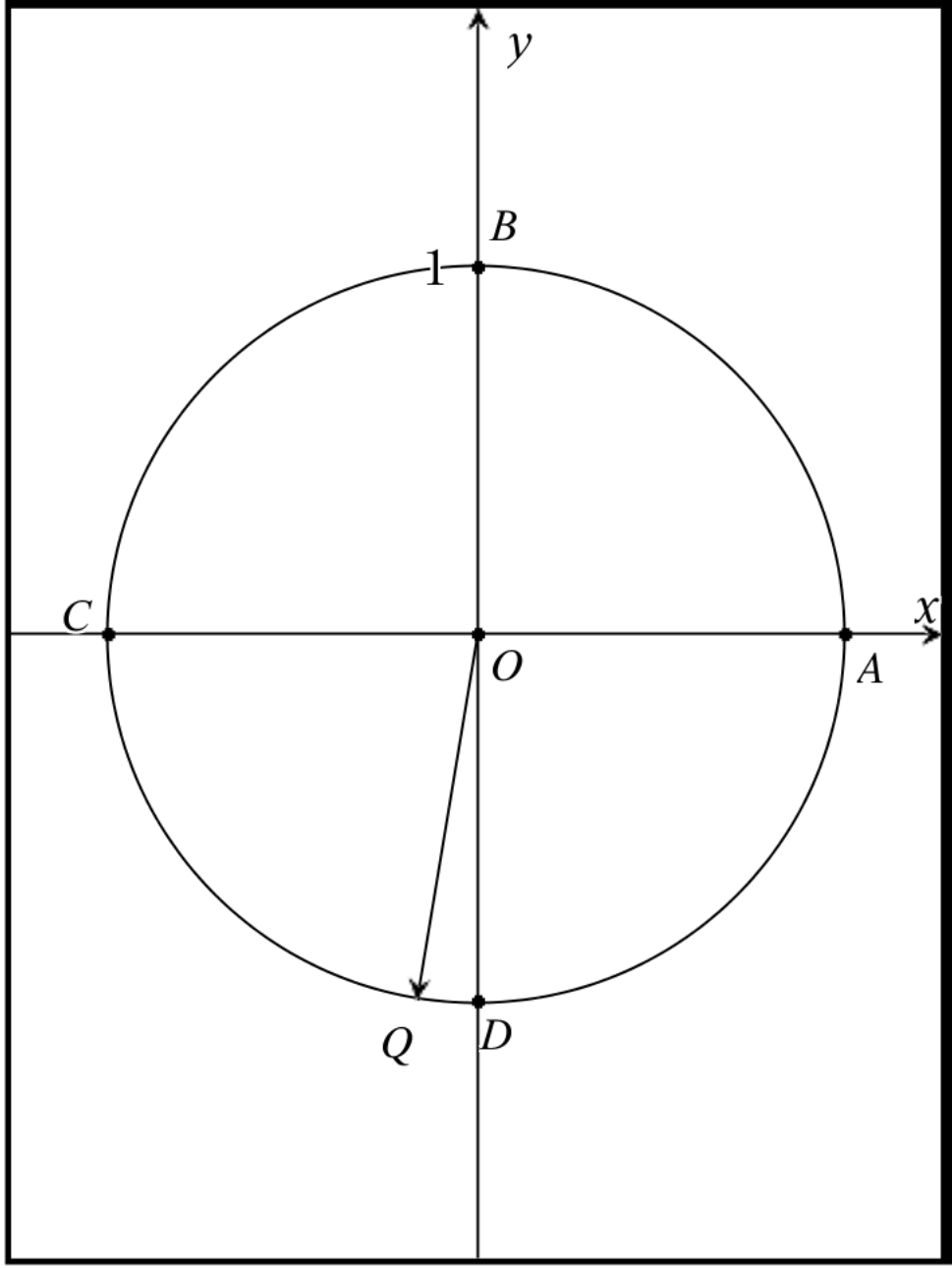
$65 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{13 \cdot \pi}{36}$ rad.

approximate radian measure 1.13 rad.

This angle is a $\frac{13}{72}$ revolutions≈ 0.18 rev.

This angle lies in Q1



	A	B	C
=			
1	Given angle	261	
2		degree	
3			

A1 "Given angle "

Given angle $261\,°$

$261 \cdot \frac{\pi}{180} =$ **radian measure**

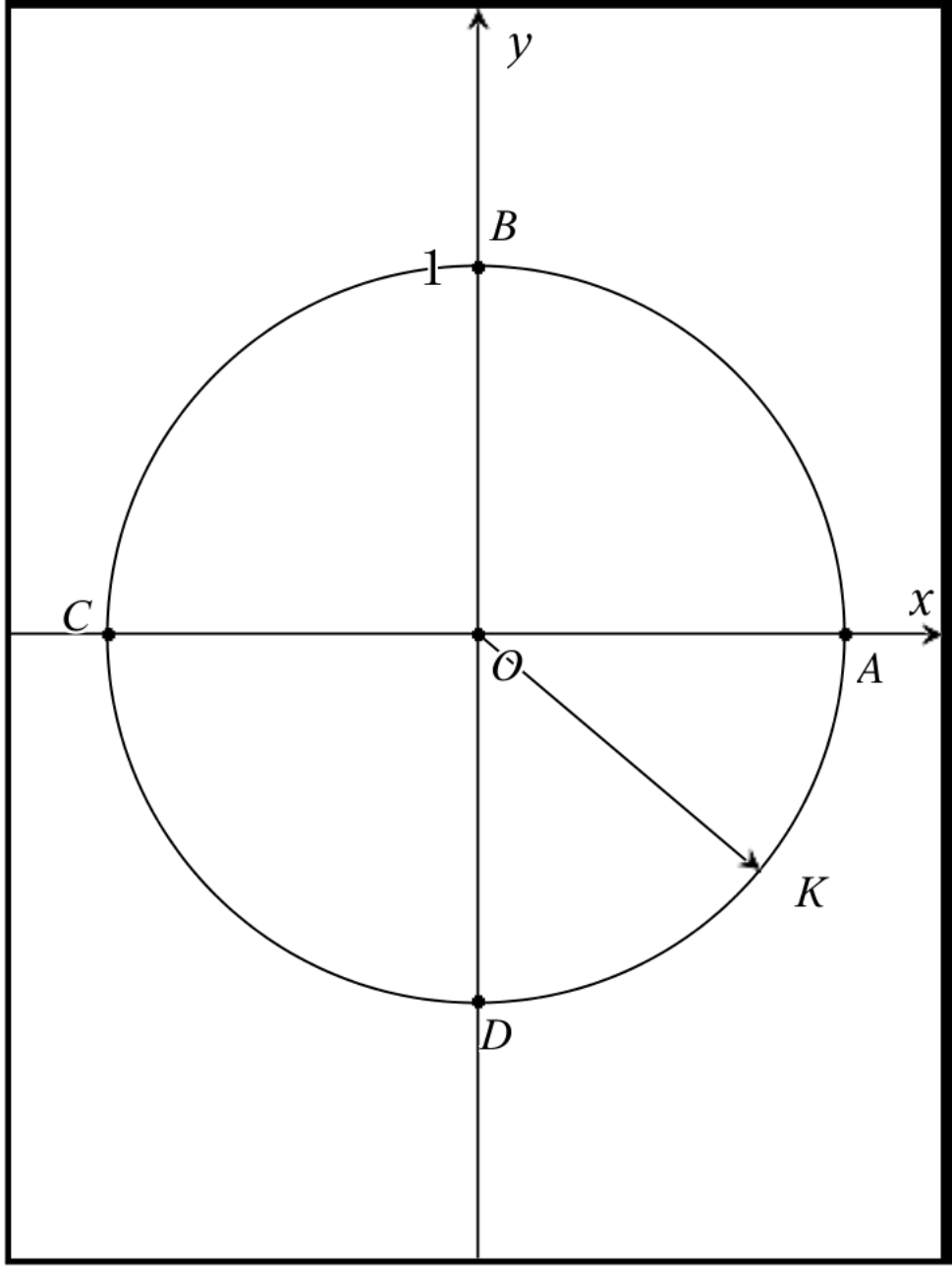
exact simplified radian measure $\frac{29 \cdot \pi}{20}$ rad.

approximate radian measure 4.56 rad.

This angle is a $\frac{29}{40}$ revolutions≈ 0.73 rev.

This angle lies in Q3

Problem 1



	A	B	C
=			
1	Given angle	320	
2		degree	
3			

A1 "Given angle"

Given angle $320\,°$

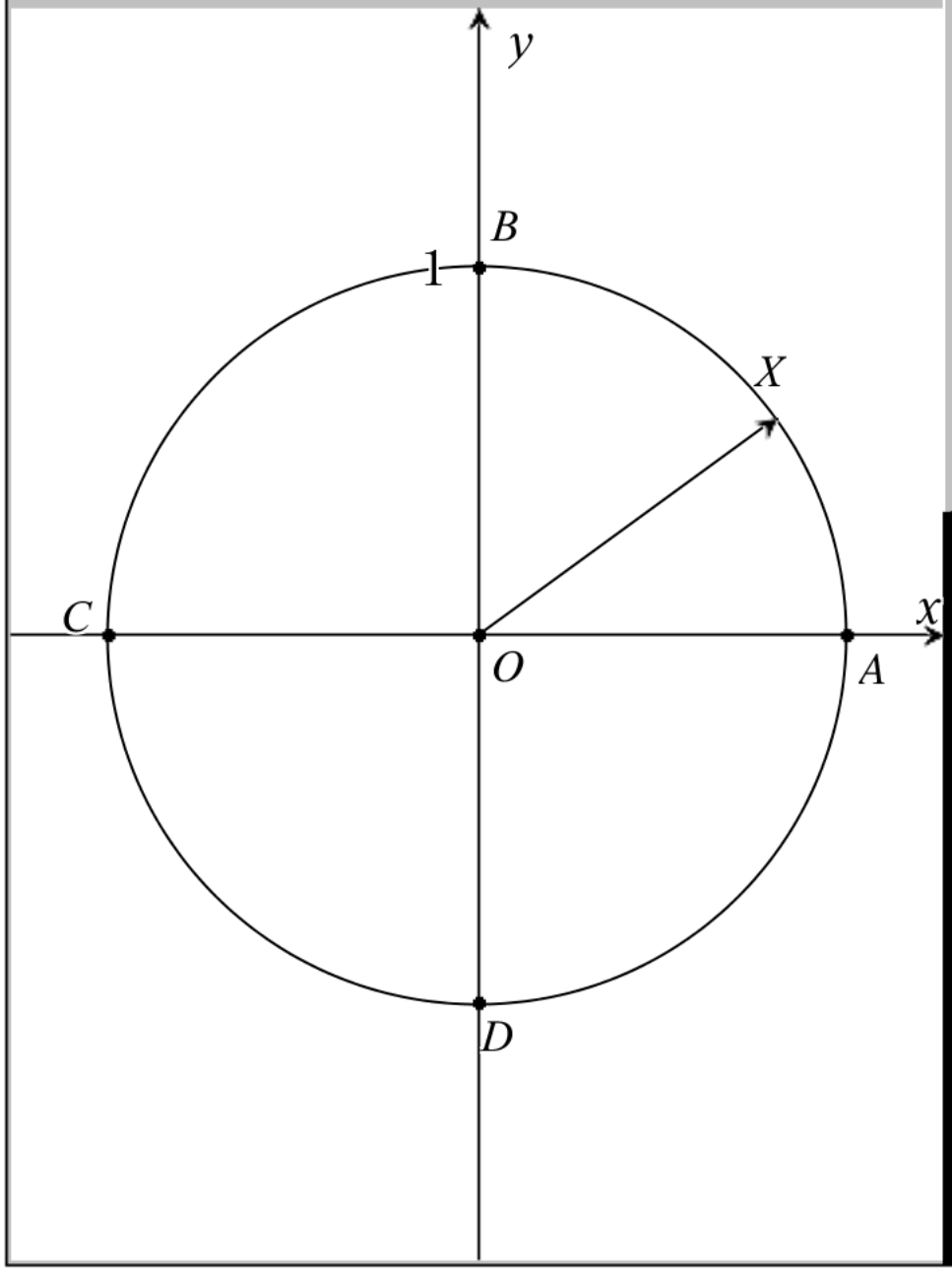
$320 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{16 \cdot \pi}{9}$ rad.

approximate radian measure 5.59 rad.

This angle is a $\frac{8}{9}$ revolutions ≈ 0.89 rev.

This angle lies in Q4



	A	B	C
=			
1	Given angle	36	
2		degree	
3			

A1 "Given angle "

Given angle $36\,°$

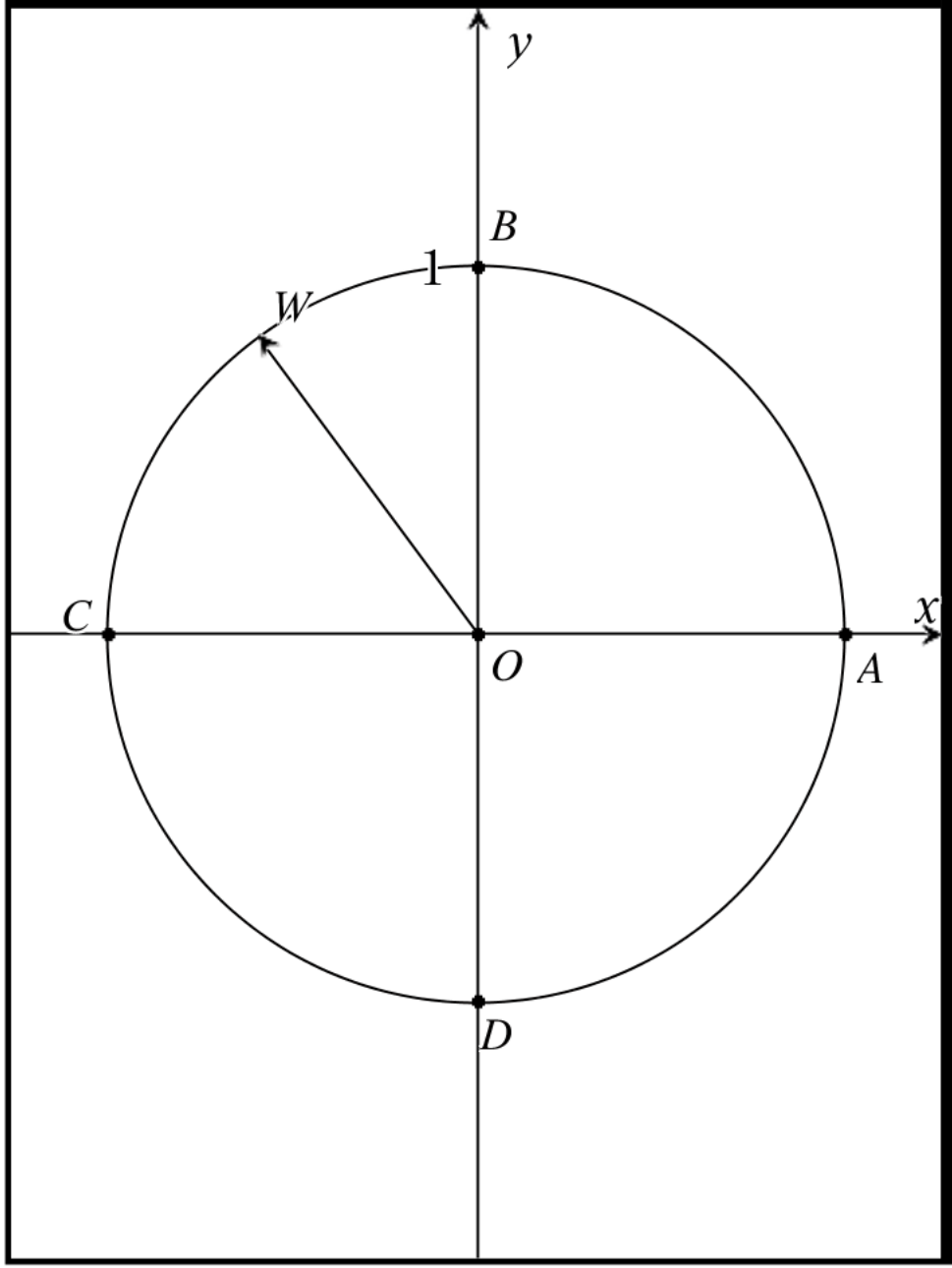
$36 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{\pi}{5}$ rad.

approximate radian measure 0.63 rad.

This angle is a $\frac{1}{10}$ revolutions≈ 0.1 rev.

This angle lies in Q1



	A	B	C
=			
1	Given angle	126	
2		degree	
3			

A1 "Given angle "

Given angle $126\,°$

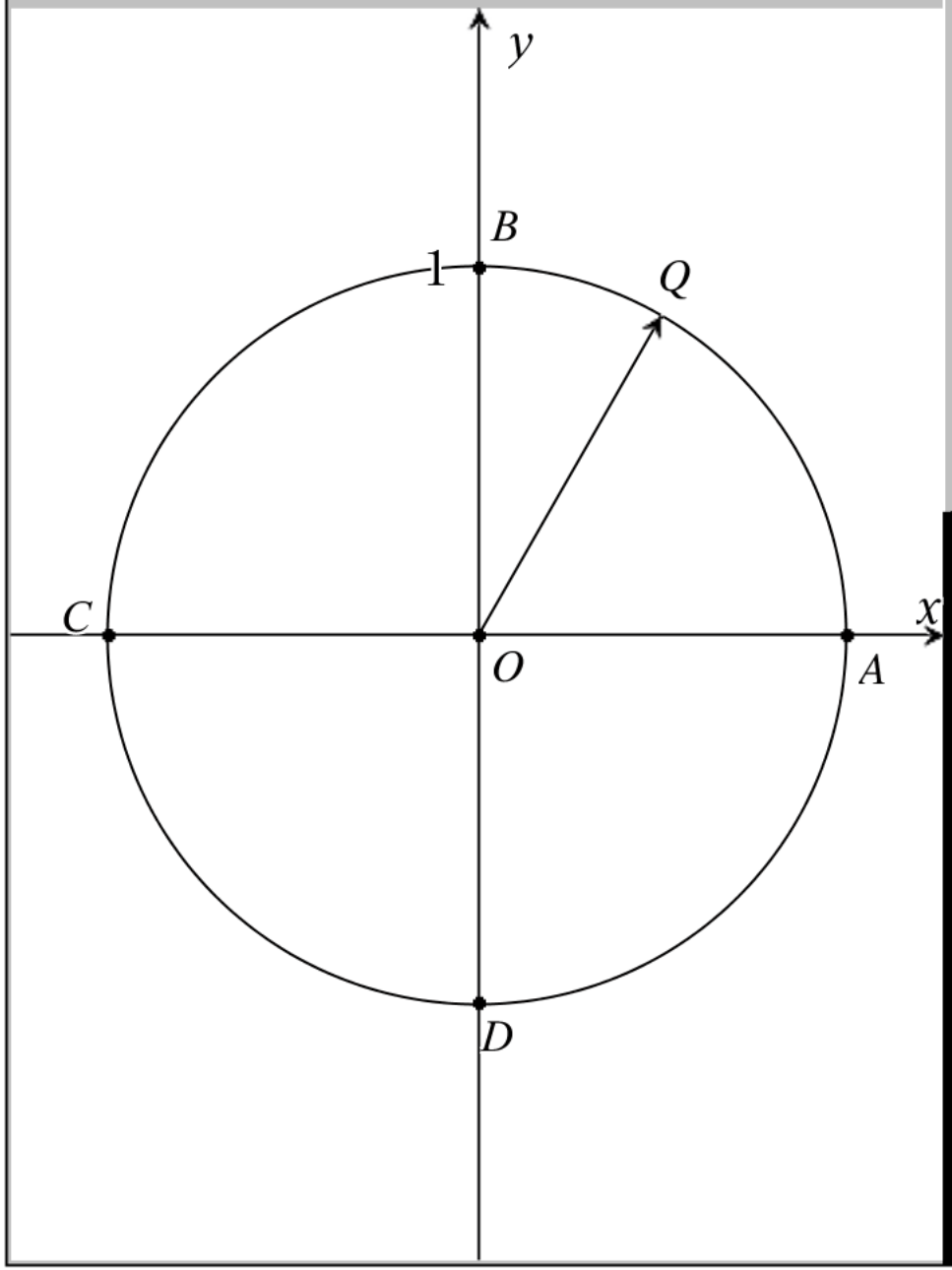
$126 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{7 \cdot \pi}{10}$ rad.

approximate radian measure 2.2 rad.

This angle is a $\frac{7}{20}$ revolutions≈ 0.35 rev.

This angle lies in Q2



	A	B	C
=			
1	Given angle	420	
2		degree	
3			

A1 "Given angle "

Given angle $420\,°$

$420 \cdot \frac{\pi}{180} =$ **radian measure**

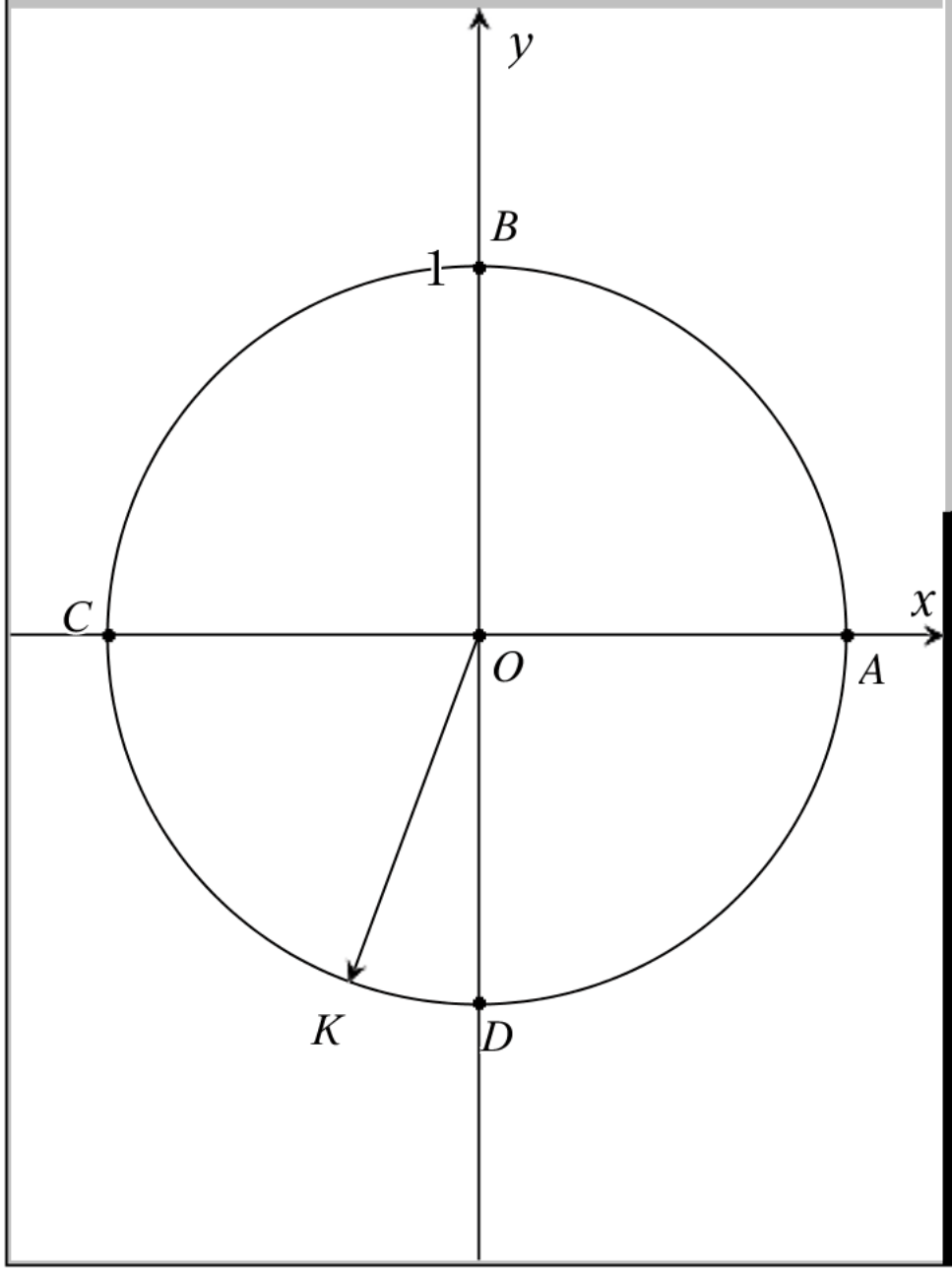
exact simplified radian measure $\frac{7 \cdot \pi}{3}$ rad.

approximate radian measure 7.33 rad.

This angle is a $1+\frac{1}{6}$ revolutions≈ 1.17 rev.

This angle lies in Q1

Problem 1



	A	B	C
=			
1	Given angle	250	
2		degree	
3			

A1 "Given angle"

Given angle 250 °

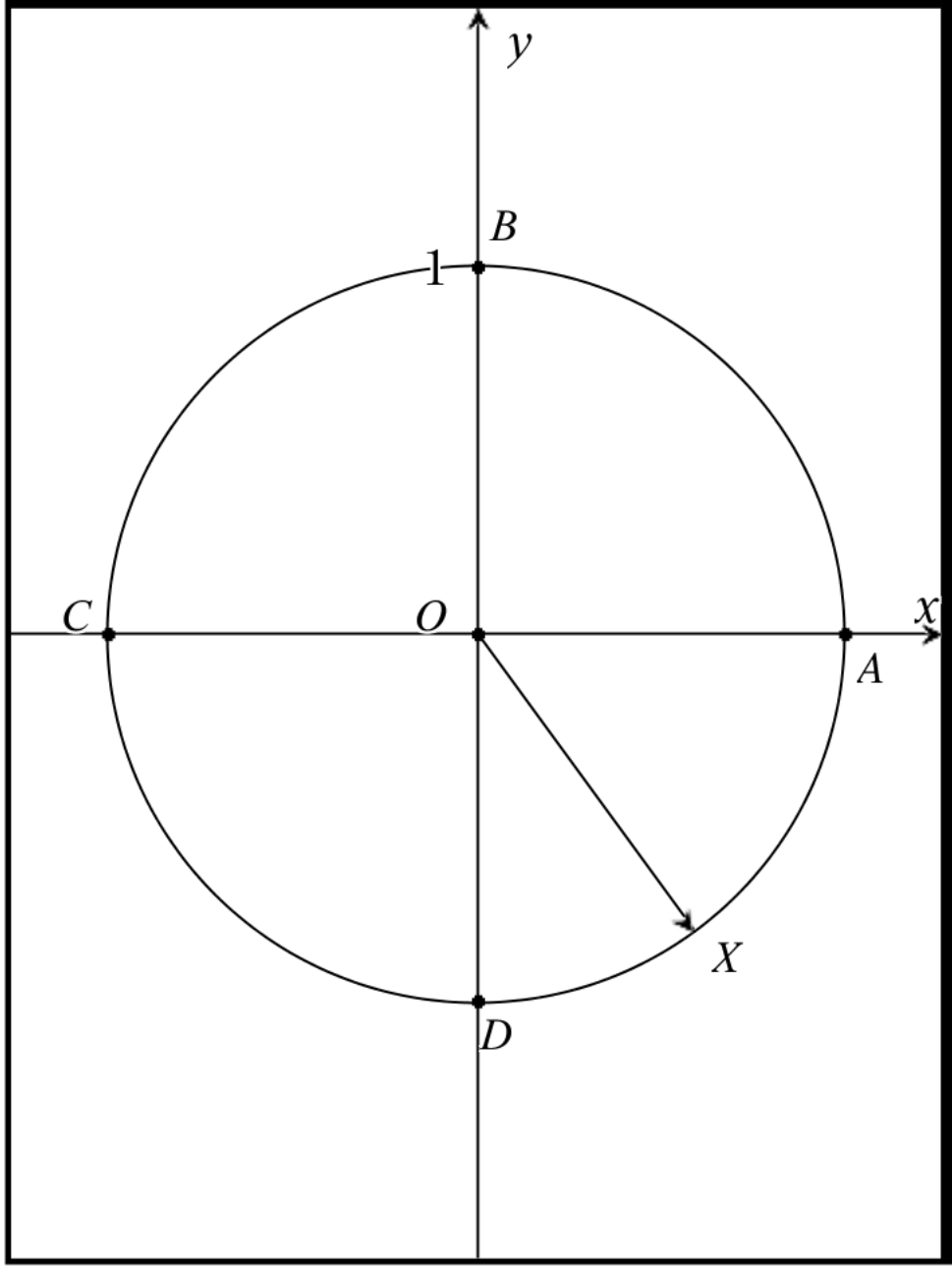
$250 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{25 \cdot \pi}{18}$ rad.

approximate radian measure 4.36 rad.

This angle is a $\frac{25}{36}$ revolutions ≈ 0.69 rev.

This angle lies in Q3



	A	B	C
=			
1	Given angle	306	
2		degree	
3			

A1 "Given angle "

Given angle $306\,°$

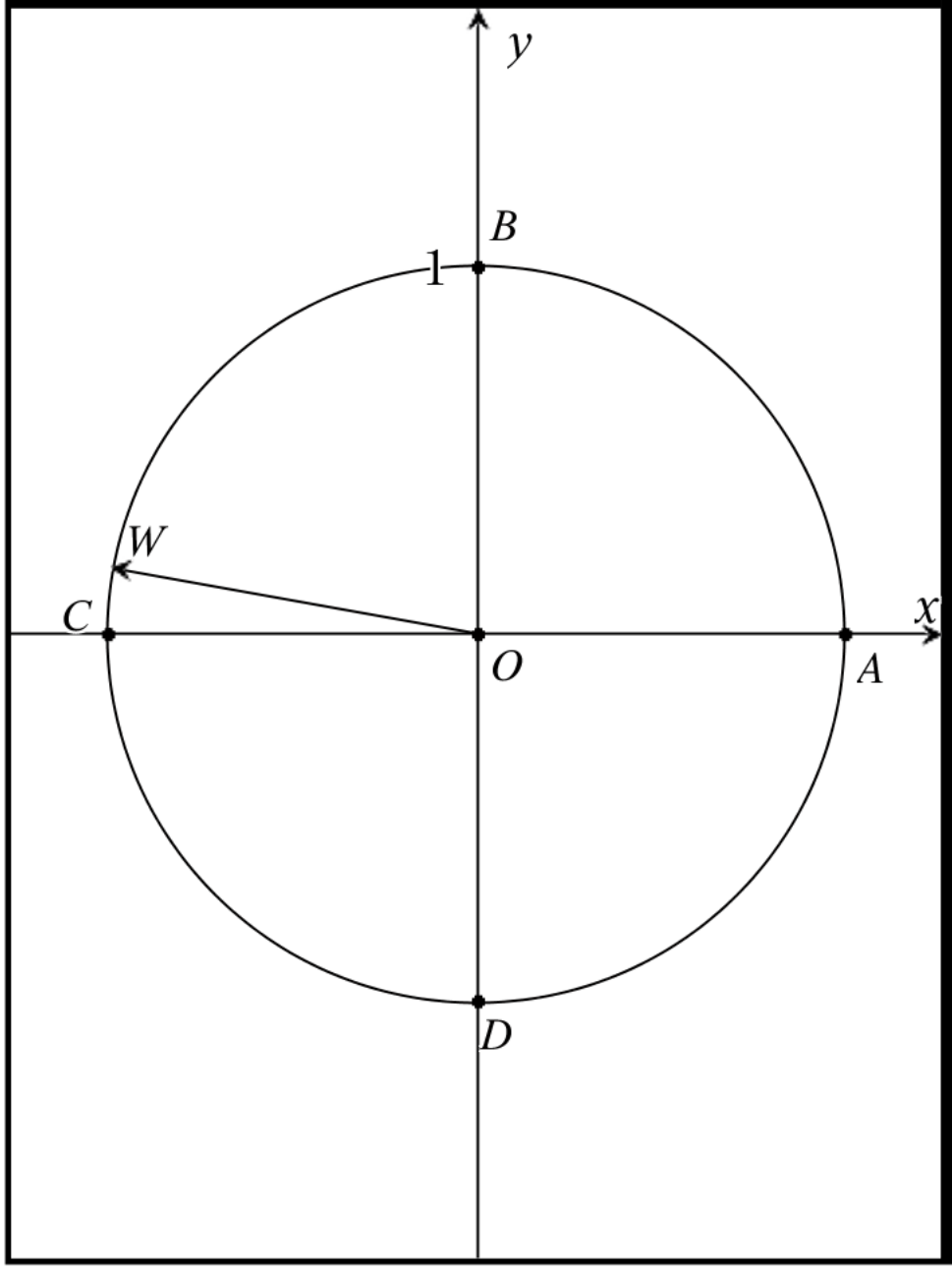
$306 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{17 \cdot \pi}{10}$ rad.

approximate radian measure 5.34 rad.

This angle is a $\frac{17}{20}$ revolutions≈ 0.85 rev.

This angle lies in Q4



	A	B	C
=			
1	Given angle	170	
2		degree	
3			

A1 "Given angle "

Given angle 170 °

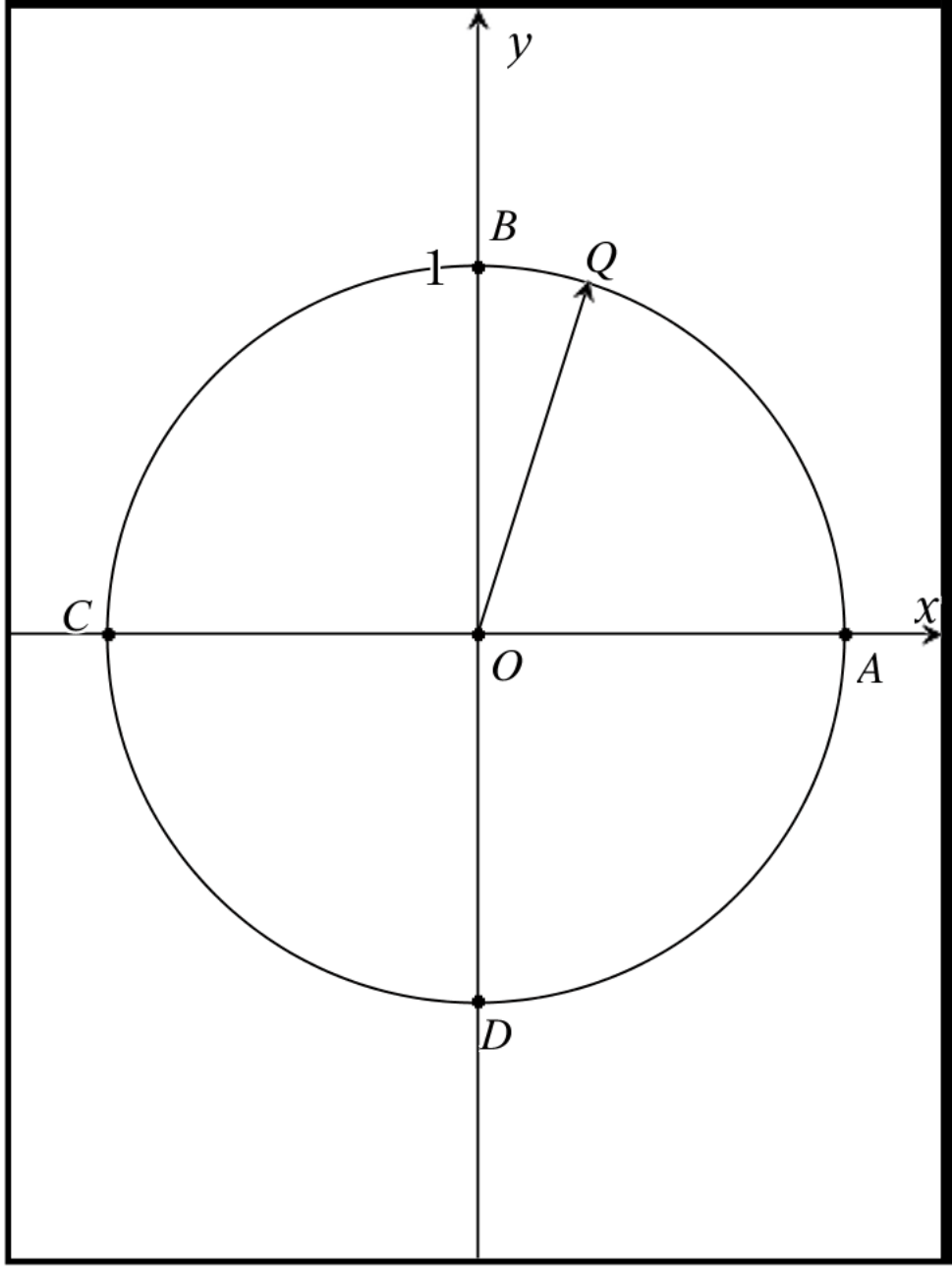
$170 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{17 \cdot \pi}{18}$ rad.

approximate radian measure 2.97 rad.

This angle is a $\frac{17}{36}$ revolutions≈ 0.47 rev.

This angle lies in Q2



	A	B	C
=			
1	Given angle	72	
2		degree	
3			

A1 "Given angle "

Given angle $72\,°$

$72 \cdot \frac{\pi}{180} =$ **radian measure**

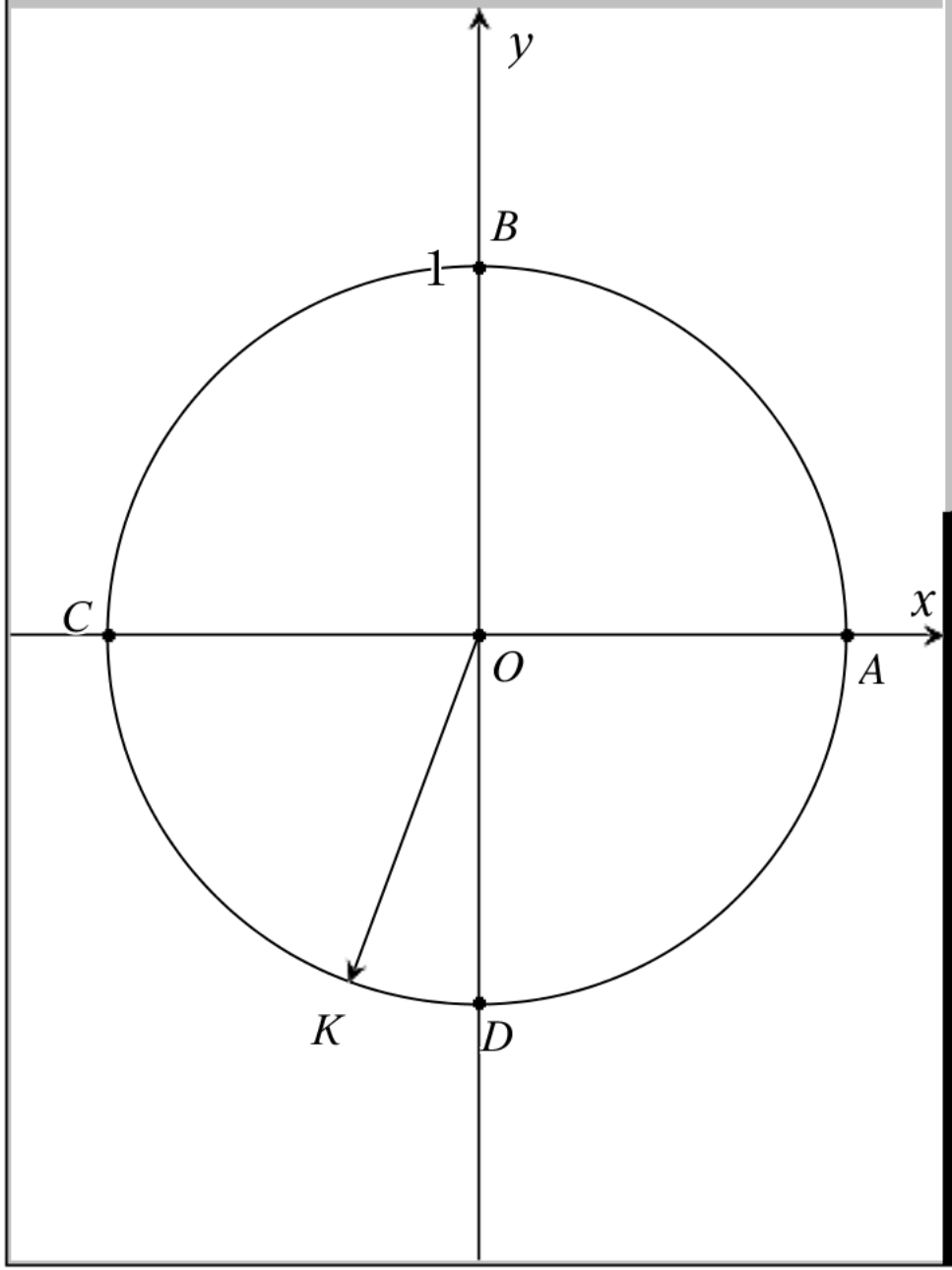
exact simplified radian measure $\frac{2 \cdot \pi}{5}$ rad.

approximate radian measure 1.26 rad.

This angle is a $\frac{1}{5}$ revolutions ≈ 0.2 rev.

This angle lies in Q1

Problem 1



	A	B	C
=			
1	Given angle	250	
2		degree	
3			

A1 "Given angle"

Given angle $250\,°$

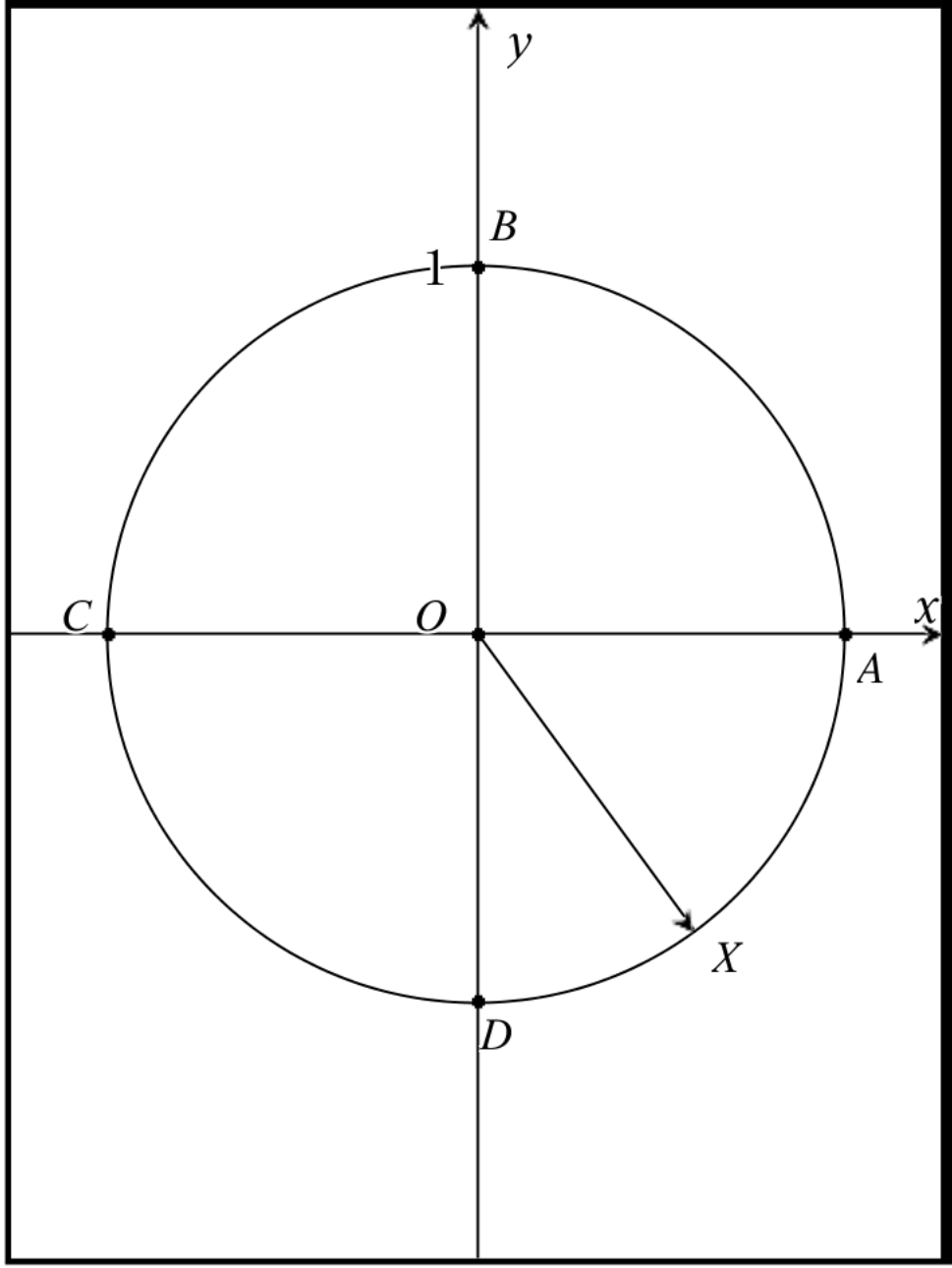
$250 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{25 \cdot \pi}{18}$ rad.

approximate radian measure 4.36 rad.

This angle is a $\frac{25}{36}$ revolutions ≈ 0.69 rev.

This angle lies in Q3



	A	B	C
=			
1	Given angle	306	
2		degree	
3			

A1 "Given angle "

Given angle $306\,°$

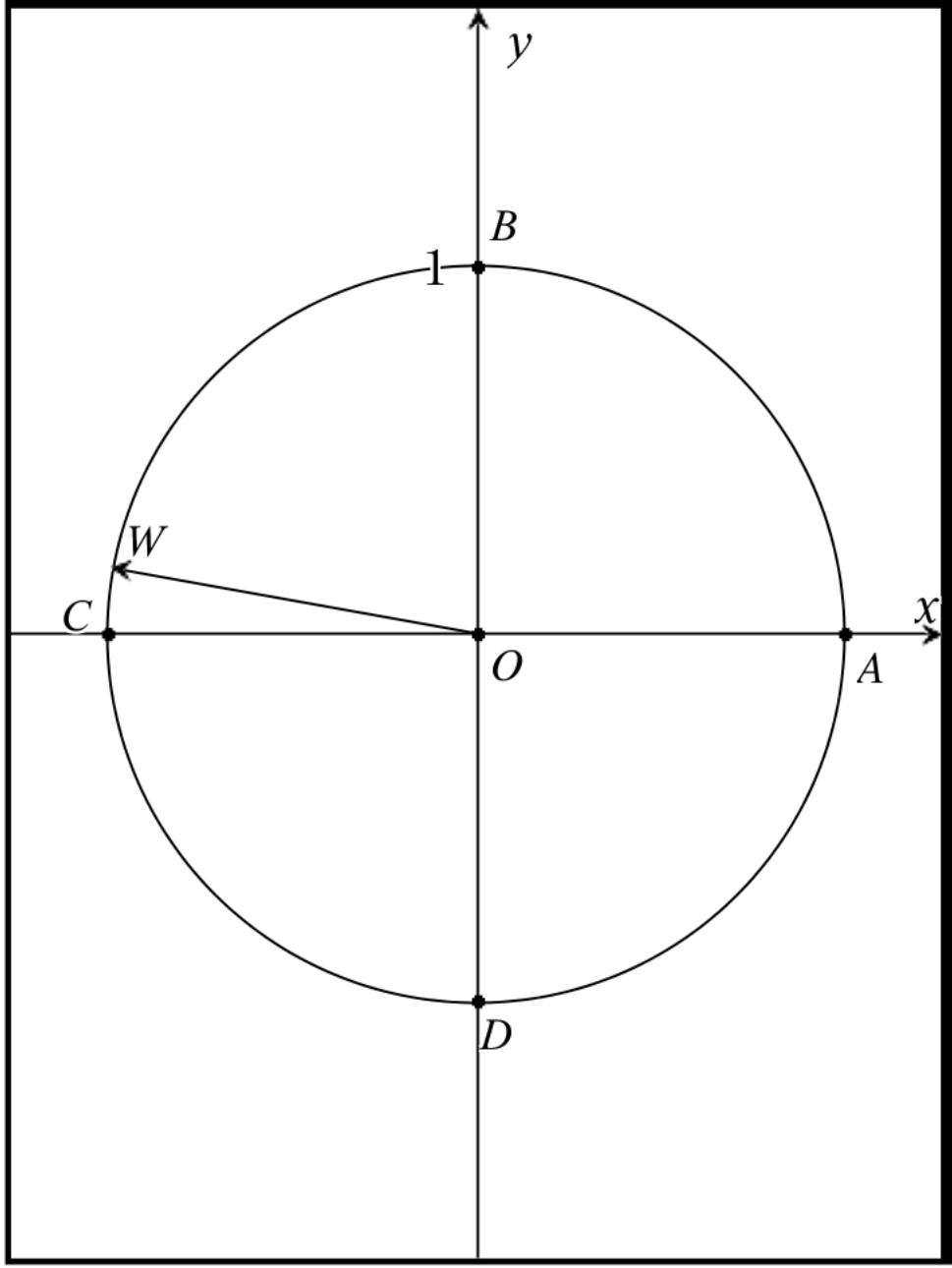
$306 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{17 \cdot \pi}{10}$ rad.

approximate radian measure 5.34 rad.

This angle is a $\frac{17}{20}$ revolutions≈ 0.85 rev.

This angle lies in Q4



	A	B	C
=			
1	Given angle	170	
2		degree	
3			

A1 "Given angle "

Given angle $170\,°$

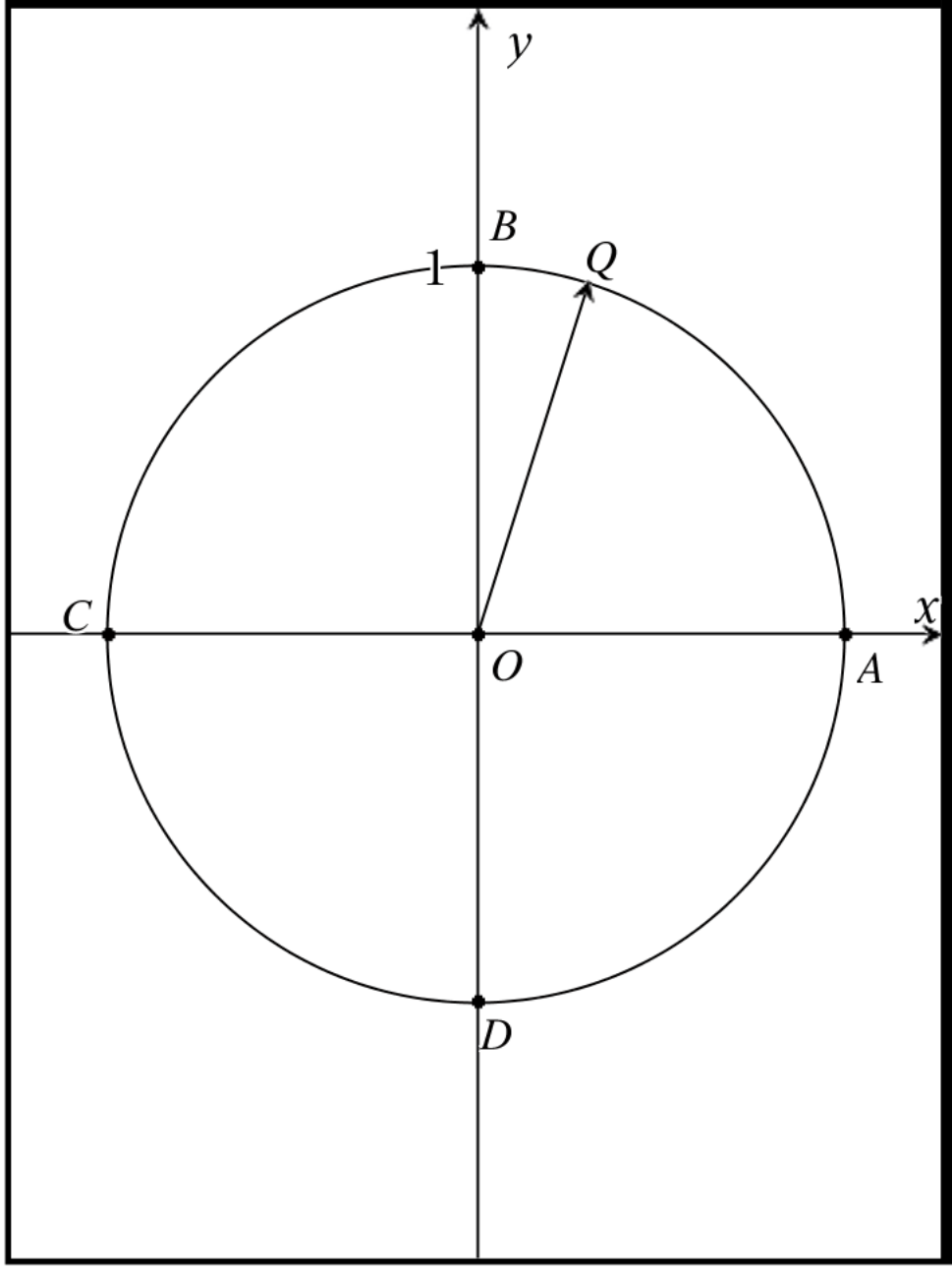
$170 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{17 \cdot \pi}{18}$ rad.

approximate radian measure 2.97 rad.

This angle is a $\frac{17}{36}$ revolutions≈ 0.47 rev.

This angle lies in Q2



	A	B	C
=			
1	Given angle	72	
2		degree	
3			

A1 "Given angle "

Given angle $72\,°$

$72 \cdot \frac{\pi}{180} =$ **radian measure**

exact simplified radian measure $\frac{2 \cdot \pi}{5}$ rad.

approximate radian measure 1.26 rad.

This angle is a $\frac{1}{5}$ revolutions ≈ 0.2 rev.

This angle lies in Q1