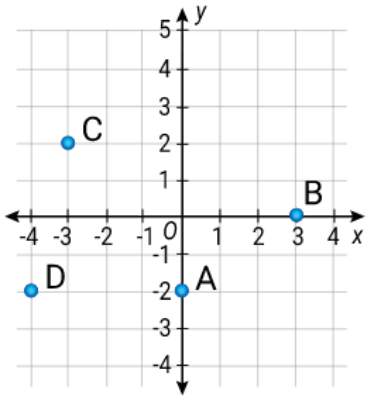
Year 7 Class 20 questions

Q1

Write the coordinates of the points shown.



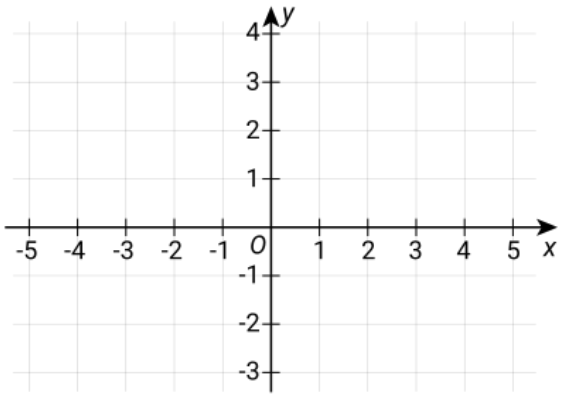
A( )

B( )

C( )

D( )

Q2



Plot the points: (1,3) (5,-3) (-3,3)

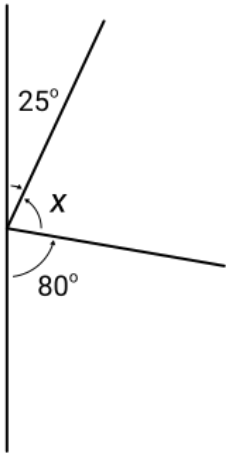
Q3

What type of angle is an angle of 47°?

obtuse acute right revolution

Q4

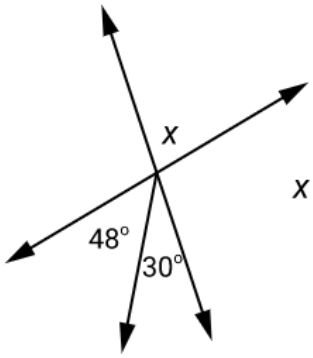
Find the value of x.



$x =$ °

Q5

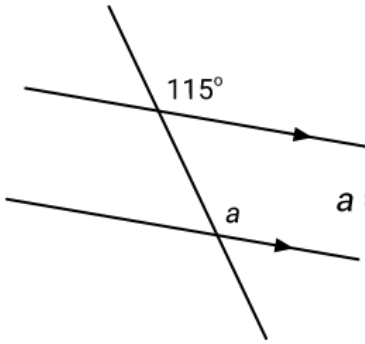
Find the value of x.



$x =$ °

Q6

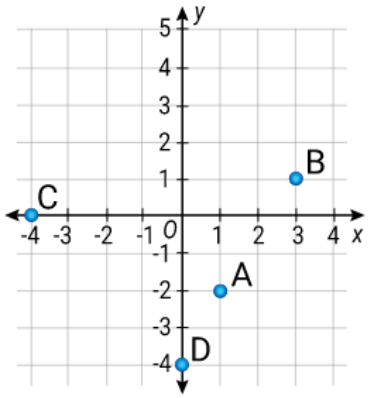
Find the value of a.



$a =$ °

Q7

Write the letters at the point shown.



(3,1) = ☐

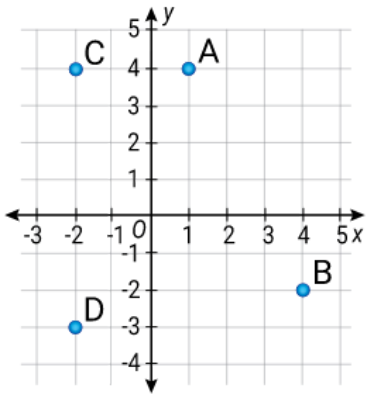
(-4,0) = ☐

(1,-2) = ☐

(0,-4) = ☐

Q8

Write the letters at the point shown.



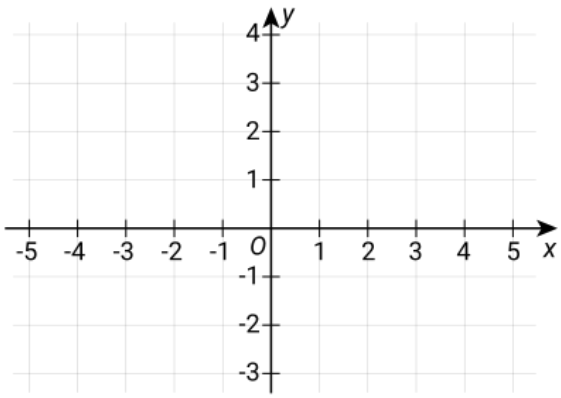
(1,4) = ☐

(-2,4) = ☐

(-2,-3) = ☐

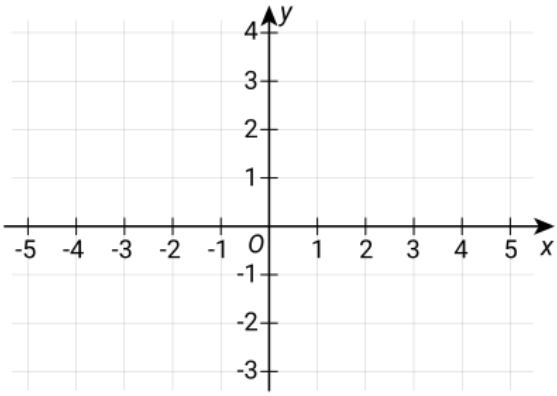
(4,-2) = ☐

Q9



Plot the points: (0,0) (0,-3) (-3,-3)

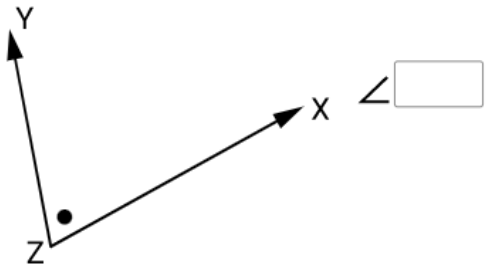
Q10



Plot the points: (2,0) (2,-1) (-2,-1)

Q11

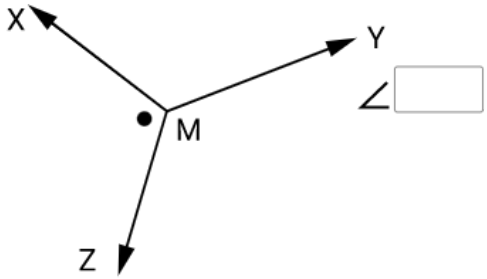
Name the angle using the three letters in the diagram.



∠ ☐

Q12

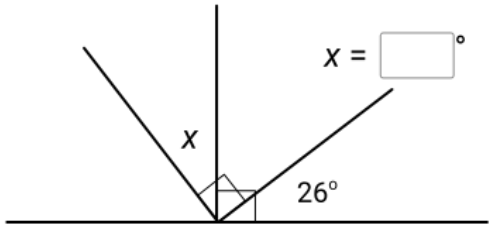
Name the angle using the three letters in the diagram.



∠ ☐

Q13

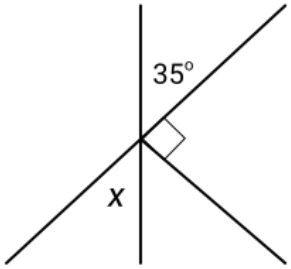
Find the value of x.



x = ☐°

Q14

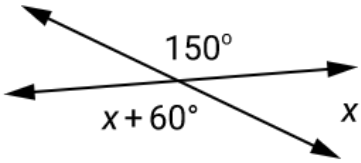
Find the value of x.



$x =$ ☐°

Q15

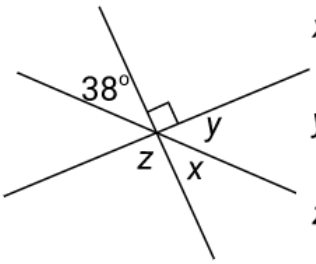
Find the value of x.



$x =$ ☐°

Q16

Find the value of x, y and z.



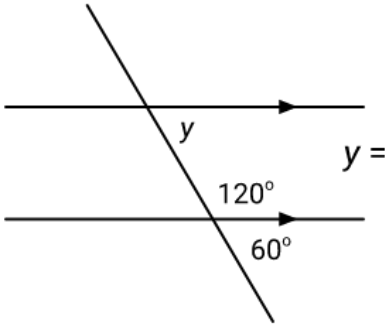
$x =$ ☐°

$y =$ ☐°

$z =$ ☐°

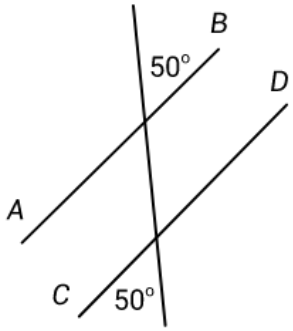
Q17

Find the value of y.



$y =$ ☐°

Q18



The lines AB and CD are ☐.

parallel not parallel

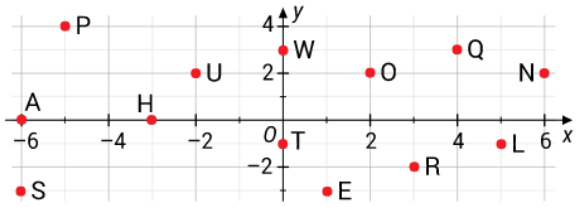
Q19

Choose **ALL** the true facts.

- ☐ (5,1) lies in the 3rd quadrant.
- ☐ (-2,5) lies in the 2nd quadrant.
- ☐ (1,0) lies on the x-axis.

Q20

Decode the message.



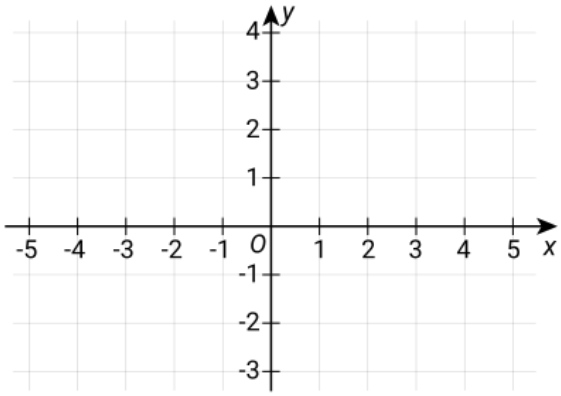
☐☐☐ ☐☐☐☐ ☐☐☐

(2,2) (6,2) (1,-3) (-5,4) (5,-1) (-2,2) (-6,-3) (0,-1) (0,3) (2,2)

☐☐☐ ☐☐☐☐☐☐ ☐☐☐☐☐

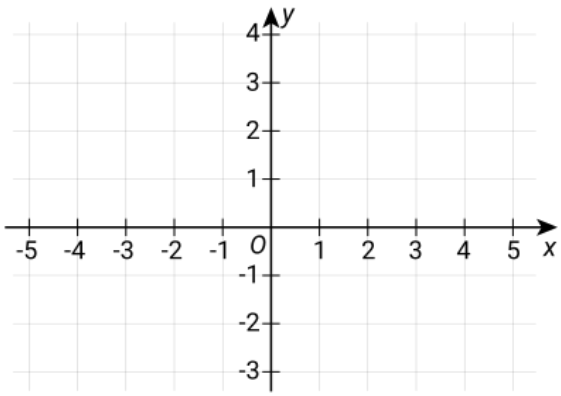
(1,-3) (4,3) (-2,2) (-6,0) (5,-1) (-6,-3) (0,-1) (-3,0) (3,-2) (1,-3) (1,-3)

Q21



Plot the points: (4,2) (2,-2) (-1,3)

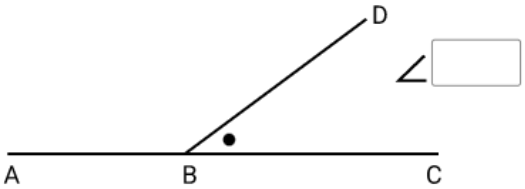
Q22



Plot the points: (3,4) (2,-1) (-1,3)

Q23

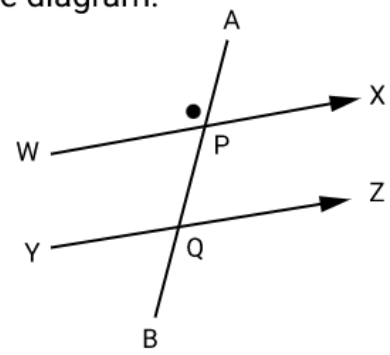
Name the angle using the three letters in the diagram.



∠ ☐

Q24

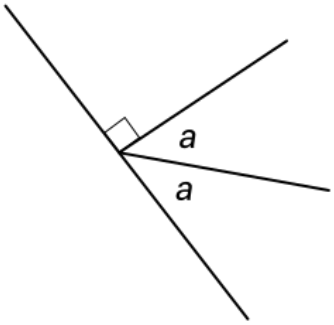
Name the angle using the three letters in the diagram.



∠ ☐

Q25

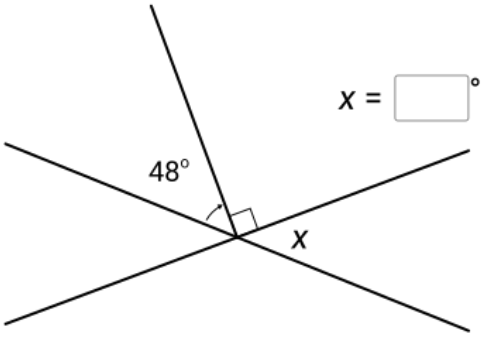
Find the value of *a*.



a = ☐°

Q26

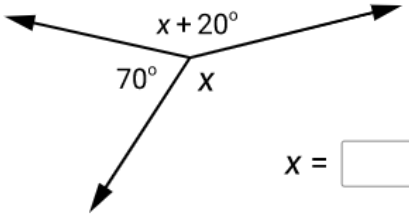
Find the value of *x*.



x = ☐°

Q27

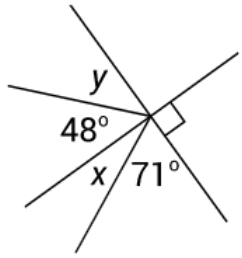
Find the value of *x*.



x = ☐°

Q28

Find the values of x and y.

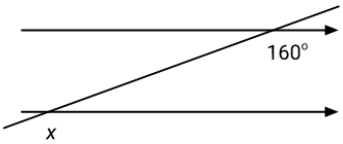


$x =$ ☐°

$y =$ ☐°

Q29

Find the value of x and choose the correct reason.



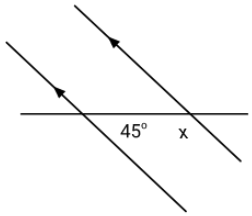
$x =$ ☐°. Reason ☐

alternate angles | co-interior angles add to 180°

corresponding angles | ∠'s on a straight line add to 180°

Q30

Find the value of x and choose the correct reason.



$x =$ ☐°. Reason ☐

alternate angles | co-interior angles add to 180°

corresponding angles | vertically opposite angles