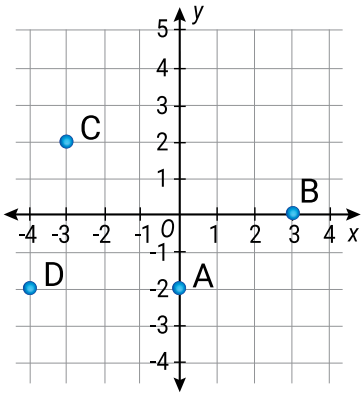
# Year 7 Class 20 questions

## Q1

Write the coordinates of the points shown.



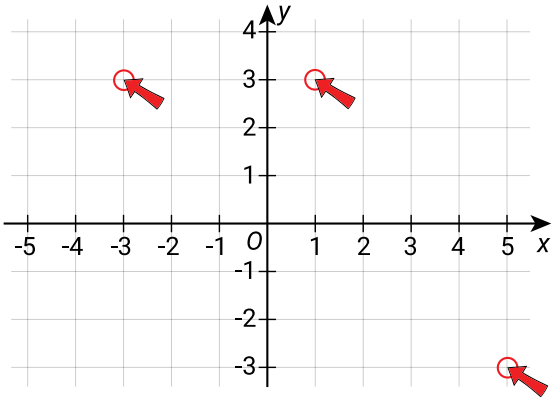

A ( ) 0,-2

B ( ) 3,0

C ( ) -3,2

D ( ) -4,-2

## Q2




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

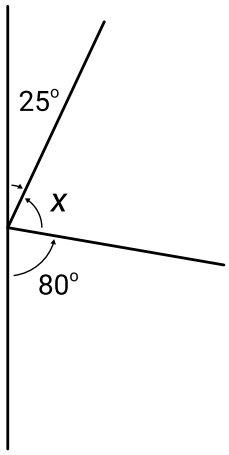
## Q3

What type of angle is an angle of 47°?

obtuse acute right revolution acute

## Q4

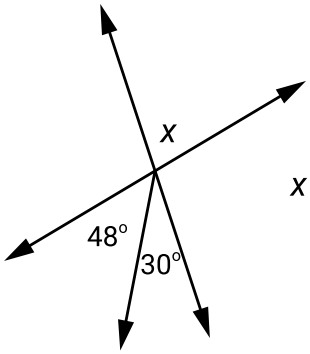
Find the value of $x$.




$x$ = ° $x = 75°$

## Q5

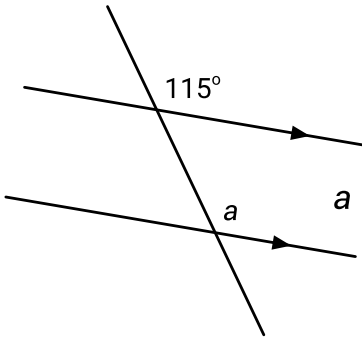
Find the value of $x$.




$x$ = ° $x = 78°$

## Q6

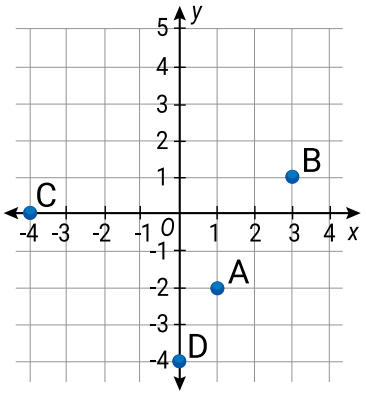
Find the value of $a$.




$a$ = ° 115°

## Q7

Write the letters at the point shown.




(3,1) = B

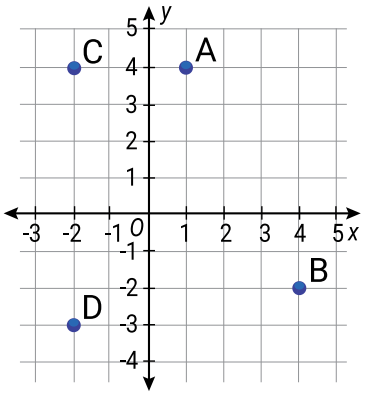
(-4,0) = C

(1,-2) = A

(0,-4) = D

## Q8

Write the letters at the point shown.



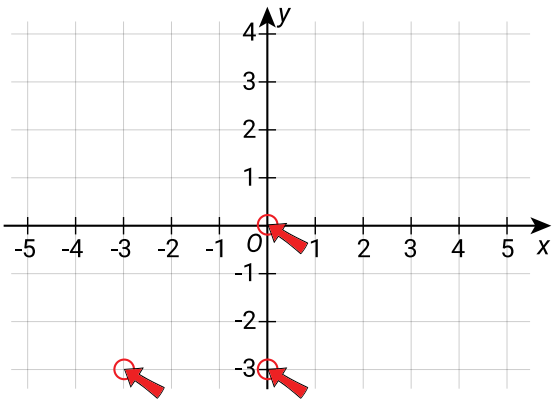

(1,4) = A

(-2,4) = C

(-2,-3) = D

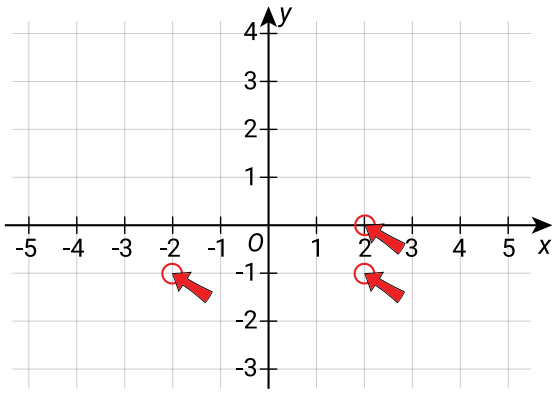
(4,-2) = B

## Q9




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

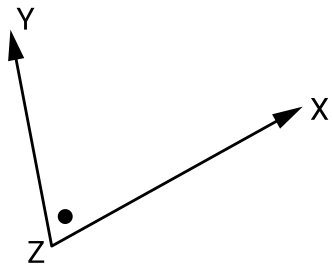
## Q10




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

## Q11

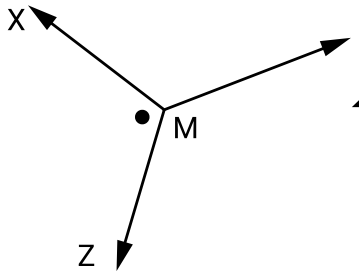
Name the angle using the three letters in the diagram.




∠ ∠YZX or ∠XZY

## Q12

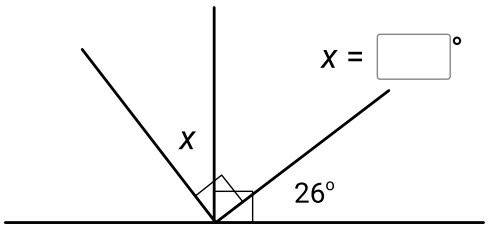
Name the angle using the three letters in the diagram.




∠ ∠XMZ or ∠ZMX

## Q13

Find the value of $x$.

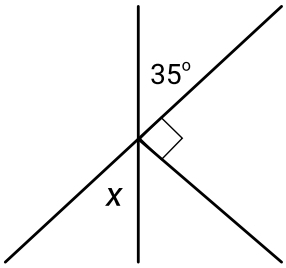



$x =$ ☐°

$x = 26°$

## Q14

Find the value of $x$.

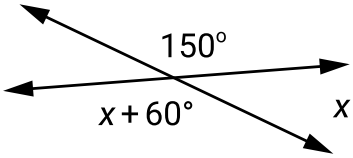



$x =$ ☐°

$x = 35°$

## Q15

Find the value of $x$.

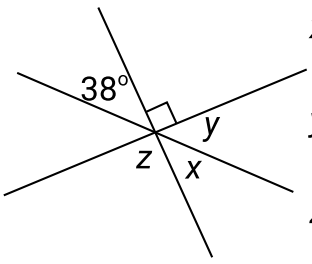



$x =$ ☐°

$x = 90°$

## Q16

Find the value of $x$, $y$ and $z$.




$x =$ ☐°

38°

$y =$ ☐°

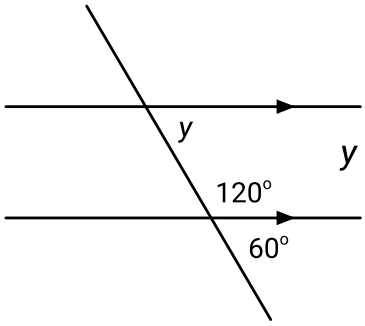
52°

$z =$ ☐°

90°

## Q17

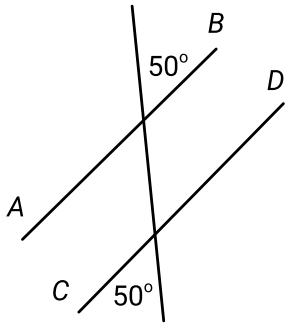
Find the value of $y$.




$y =$ ☐°

60°

## Q18




The lines $AB$ and $CD$ are ☐.

parallel

parallel not parallel

## Q19

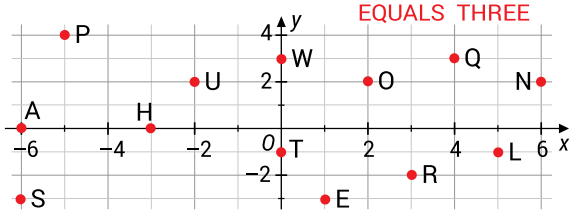
Choose **ALL** the true facts.

- ☐ (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.

ONE PLUS TWO EQUALS THREE



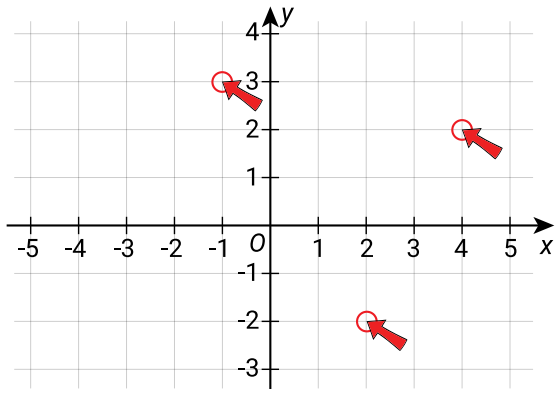

□ □ □ □ □ □ □ □ □ □

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

□ □ □ □ □ □ □ □ □ □ □

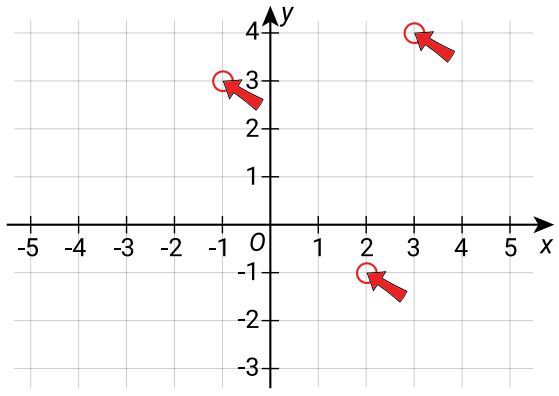
(1,-3) (4,3) (-2,2) (-6,0) (5,-1) (-6,-3) (0,-1) (-3,0) (3,-2) (1,-3) (1,-3)

## Q21




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

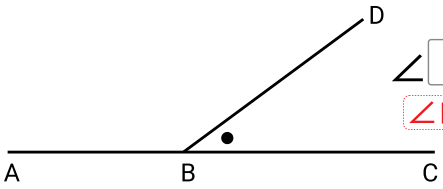
## Q22




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

## Q23

Name the angle using the three letters in the diagram.

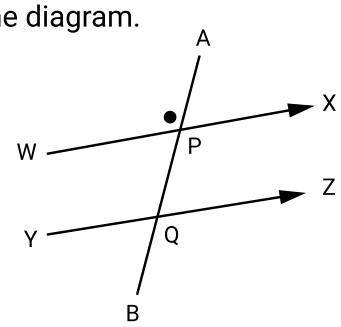



∠ □

∠DBC or ∠CBD

## Q24

Name the angle using the three letters in the diagram.

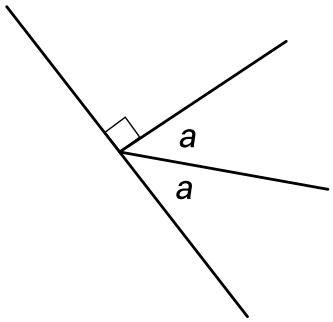



∠ □

∠WPA or ∠APW

## Q25

Find the value of *a*.

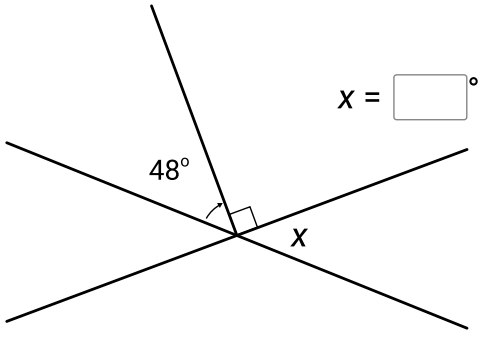



*a* = □ °

*a* = 45°

## Q26

Find the value of *x*.

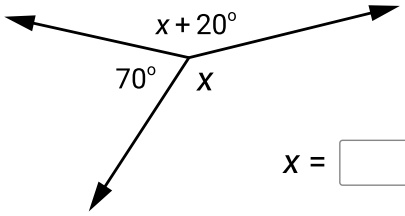



*x* = □ °

*x* = 42°

## Q27

Find the value of $x$.

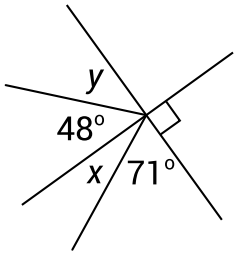



$x =$ ☐°

$x = 135°$

## Q28

Find the values of $x$ and $y$.




$x =$ ☐°

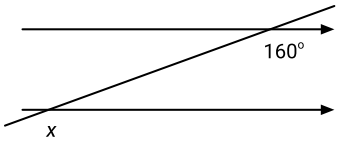
19

$y =$ ☐°

42

## Q29

Find the value of $x$ and choose the correct reason.




$x =$ ☐°. Reason ☐

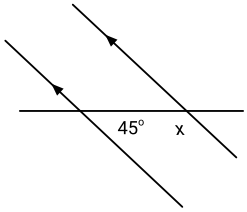
$x = 160°$. Reason (corresponding angles)

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 ☐

$x = 135°$. Reason (co-interior angles add to 180°)

alternate angles | co-interior angles add to 180°

corresponding angles | vertically opposite angles