

SQA Past paper questions

2023 – Paper 1 – Question 2

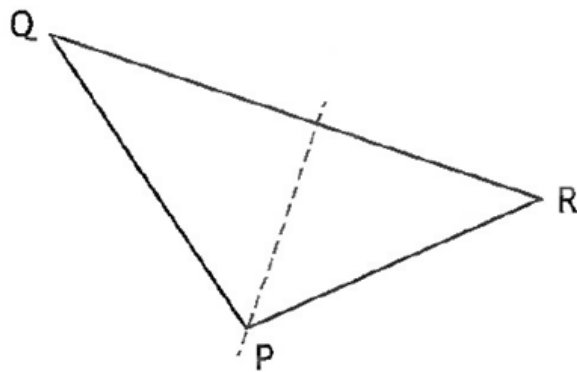
P and Q are the points $(-2, 6)$ and $(10, 0)$.

Find the equation of the perpendicular bisector of PQ. 4

Click [here](#) for video solution. 

2023 – Paper 2 – Question 1

Triangle PQR has vertices $P(5, -1)$, $Q(-2, 8)$ and $R(13, 3)$.



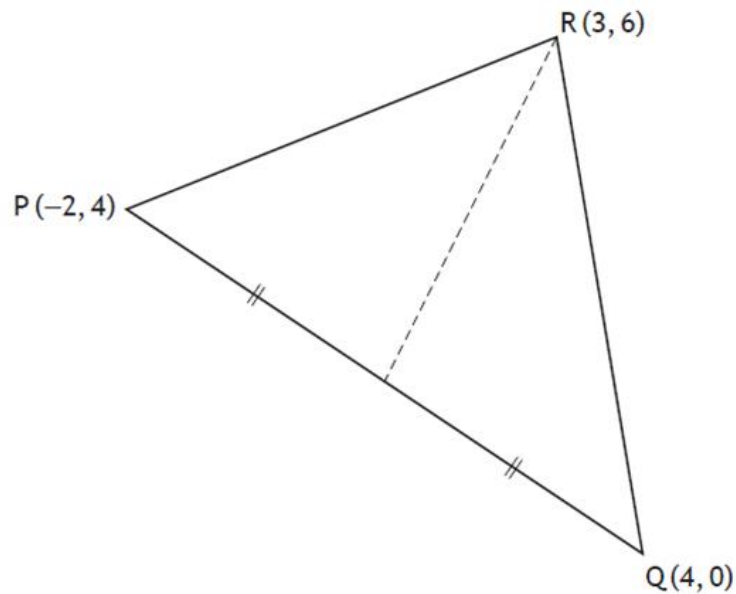
(a) Find the equation of the altitude from P. 3

(b) Calculate the angle that the side PR makes with the positive direction of the x -axis. 2

Click [here](#) for video solution. 

2018 – Paper 1 – Question 1

PQR is a triangle with vertices $P(-2, 4)$, $Q(4, 0)$ and $R(3, 6)$.



Find the equation of the median through R.

3

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2017 – Paper 1 – Question 7

$A(-3, 5)$, $B(7, 9)$ and $C(2, 11)$ are the vertices of a triangle.

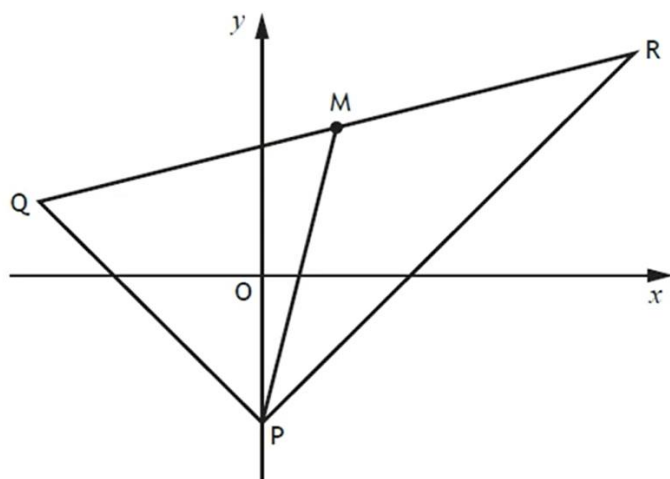
Find the equation of the median through C.

3

Click [here](#) for video solution. 

2016 – Paper 2 – Question 1

PQR is a triangle with vertices $P(0, -4)$, $Q(-6, 2)$ and $R(10, 6)$.



- | | | |
|-----|--|---|
| (a) | (i) State the coordinates of M, the midpoint of QR. | 1 |
| | (ii) Hence find the equation of PM, the median through P. | 2 |
| (b) | Find the equation of the line, L, passing through M and perpendicular to PR. | 3 |
| (c) | Show that line L passes through the midpoint of PR. | 3 |

Click [here](#) for video solution. 

Specimen – Paper 1 – Question 9

- | | | |
|-----|---|---|
| (a) | AB is a line parallel to the line with equation $y + 3x = 25$.
A has coordinates $(-1, 10)$.
Find the equation of AB. | 1 |
| (b) | $3y = x + 11$ is the perpendicular bisector of AB.
Determine the coordinates of B. | 5 |

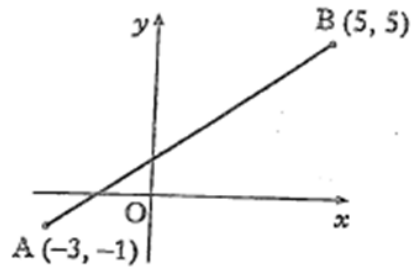
Click [here](#) for video solution. 

1999 – Paper 2 – Question 1

A and B are the points $(-3, -1)$ and $(5, 5)$.

Find the equation of

- (a) the line AB (2)
(b) the perpendicular bisector of AB. (3)

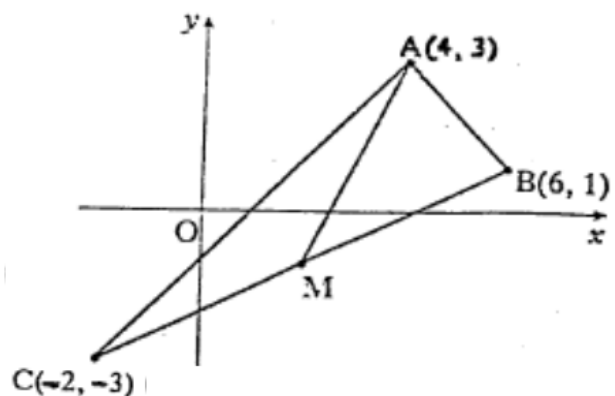


Click [here](#) for video solution. 

1998 – Paper 1 – Question 1

A triangle ABC has vertices $A(4, 3)$, $B(6, 1)$ and $C(-2, -3)$ as shown in the diagram. Find the equation of AM , the median from A .

(3)



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1995 – Paper 1 – Question 5

Find the equation of the median AD of triangle ABC where the coordinates of A, B and C are $(-2, 3)$, $(-3, -4)$ and $(5, 2)$ respectively.

(3)

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1988 – Paper 1 – Question 1

P, Q and R are the points $(3, 4)$, $(7, -2)$ and $(-2, -1)$ respectively.

Find the equation of the median RM of triangle PQR.

(3)

Click [here](#) for video solution. 