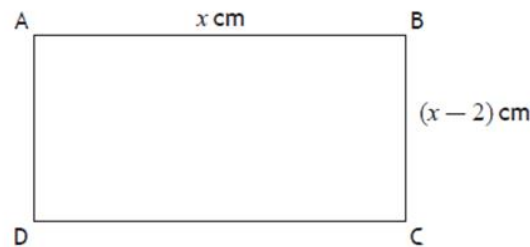


SQA Past paper questions

2015 - Paper 1 - Question 8

ABCD is a rectangle with sides of lengths x centimetres and $(x - 2)$ centimetres, as shown.



If the area of ABCD is less than 15 cm^2 , determine the range of possible values of x .

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Click [here](#) for video solution. 

2013 - Paper 1 - Question 19

Solve $1 - 2x - 3x^2 > 0$, where x is a real number.

- A $x < -1$ or $x > \frac{1}{3}$ C $x < -\frac{1}{3}$ or $x > 1$
B $-1 < x < \frac{1}{3}$ D $-\frac{1}{3} < x < 1$

Click [here](#) for video solution. 

2012 - Paper 1 - Question 19

Solve $6 - x - x^2 < 0$.

- A $-3 < x < 2$
B $x < -3, x > 2$
C $-2 < x < 3$
D $x < -2, x > 3$

Click [here](#) for video solution. 

2011 - Paper 1 - Question 18

If $f(x) = (x - 3)(x + 5)$, for what values of x is the graph of $y = f(x)$ above the x -axis?

- A $-5 < x < 3$
- B $-3 < x < 5$
- C $x < -5, x > 3$
- D $x < -3, x > 5$

Click [here](#) for video solution. 

2010 - Paper 1 - Question 18

What is the solution of $x^2 + 4x > 0$, where x is a real number?

- A $-4 < x < 0$
- B $x < -4, x > 0$
- C $0 < x < 4$
- D $x < 0, x > 4$

Click [here](#) for video solution. 

2009 - Paper 1 - Question 19

For what values of x is $6 + x - x^2 < 0$?

- A $x > 3$ only
- B $x < -2$ only
- C $x < -2, x > 3$
- D $-3 < x < 2$

Click [here](#) for video solution. 