

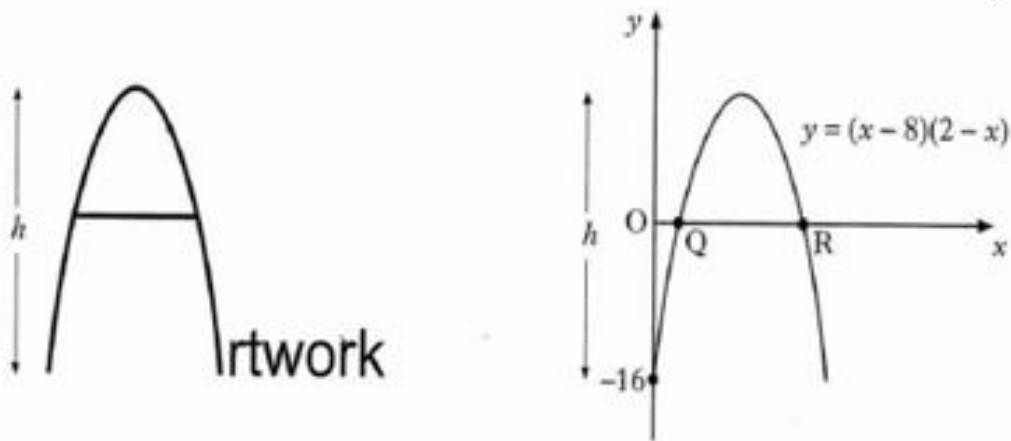
Friday 4's

1. Solve $x^2 + 5x + 6$

2

2. The curved part of the letter A in the *Artwork* logo is in the shape of a parabola.

The equation of this parabola is $y = (x-8)(2-x)$.



(a) Write down the coordinates of Q and R.

(b) Calculate the height, h , of the letter A.

3.

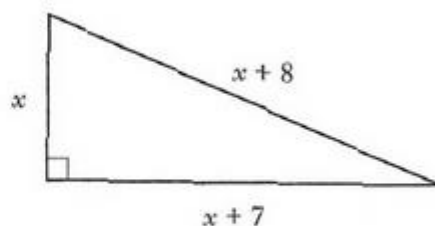
Use the quadratic formula to solve the equation,

$$3x^2 + 5x - 7 = 0.$$

Give your answers correct to **1 decimal place**.

4.

A right-angled triangle has dimensions, in centimetres, as shown.



Calculate the value of x .

2

3

4

KU RE

5