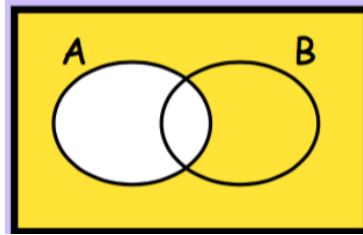




Which region is shaded?

A      A'      B      B'



The first term of a sequence is  $5 - 2a$   
The term-to-term rule of the sequence is subtract  $4a$  and then multiply by 2  
The fourth term of the sequence is 58

Work out the second term of the sequence.

A circle, centre  $(0, 0)$  has an area of  $64\pi$

Work out the equation of the circle.

The ratio of Matt's age to Paul's age is  $x:y$

Two years ago, the ratio of their ages was 5:8

In three years time, the ratio of their ages will be 2:3

Express  $x:y$  in its lowest terms

The distance between  $(-3, a)$  and  $(5, 1)$  is 17 units.

Find two possible values for  $a$ .