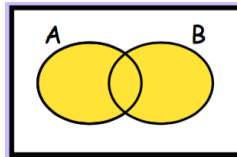




Which region is shaded?

$A \cap B$      $A' \cap B$      $A \cup B$      $A \cup B'$



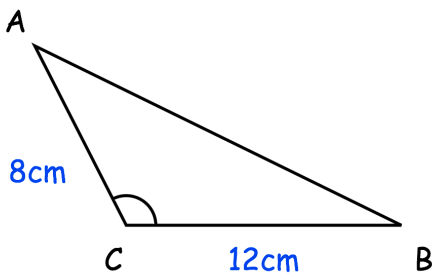
A van can carry a load of 1100kg to 2 significant figures.

A brick has a mass of 2.8kg to the nearest 100g.

Calculate the greatest number of bricks that can be safely put in the van.

Expand and simplify

$$(6 - x)^3$$



The area of ABC is  $30\text{cm}^2$   
Angle ACB is obtuse.  
Find the size of angle ACB.

Carl says the solution to  $x^2 - 7x + 12 > 0$  is  $3 < x < 4$

Is he correct?  
Explain your answer.