

9th March

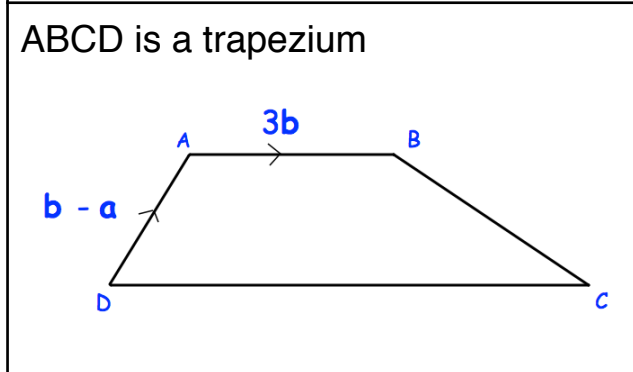


The length of the base of a triangle and its perpendicular height are:

base: $\frac{x + 5}{10}$ cm

height: $\frac{x - 1}{4}$ cm

Find an expression for the area of the triangle.



\overrightarrow{DC}

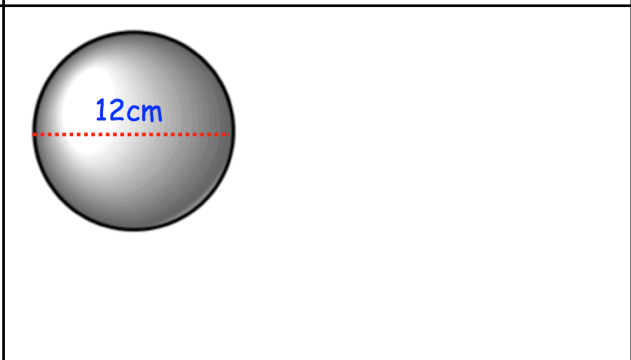
AB and DC are parallel.
 $DC = 2AB$

Write down these vectors in terms of **a** and **b**

\overrightarrow{BC}

A solid sphere has a diameter of 12cm.
 The sphere is made from glass.
 The density of the glass is 4.12g/cm³

Find the mass of the glass sphere.



Prove the product of two odd numbers is always odd.