



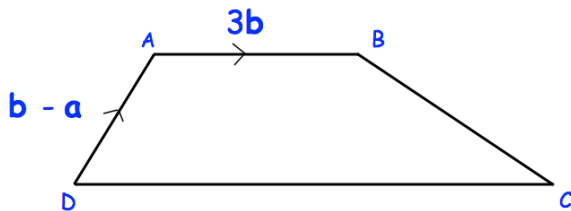
The length of the base of a triangle and its perpendicular height are:

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

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

Find an expression for the area of the triangle.

ABCD is a trapezium



AB and DC are parallel.

$$DC = 2AB$$

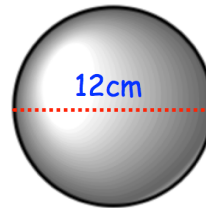
Write down these vectors in terms of **a** and **b**

\vec{DC}

\vec{BC}

A solid sphere has a diameter of 12cm.
The sphere is made from glass.
The density of the glass is 4.12g/cm^3

Find the mass of the glass sphere.



y is inversely proportional to the cube of x

Find the percentage change in y when x is increased by 50%