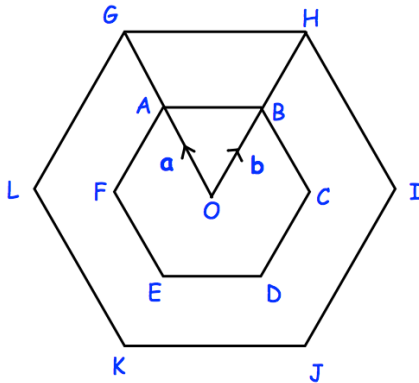




y is directly proportional to the square of x.

When $y = 32$, $x = 4$.

Find the value of y when $x = 8$.



ABCDEF and GHIJKL are regular hexagons with centre O. GHIJKL is an enlargement of ABCDEF, with scale factor 2.

Write down a vector for \vec{AB}

Write down a vector for \vec{FC}

Factorise fully $9y^2 - 144$

Work out the surface area

