

Name: _____ School: _____ Email address: _____ Mark: _____

1. a) It is given that y varies directly as the square of x and $y = 9$ when $x = 2$. Calculate the value of x when $y = 16$.

Diberi bahawa y berubah secara langsung dengan kuasa dua x dan $y = 9$ apabila $x = 2$. Hitungkan nilai x apabila $y = 16$.

- b) Given that y varies inversely as w and x and $y = 45$ when $w = 2$ and $x = \frac{1}{6}$. Find the value of x when $y = 15$ and $w = \frac{1}{3}$.

Diberi bahawa y berubah secara songsang w dan x dan $y = 45$ apabila $w = 2$ dan $x = \frac{1}{6}$. Hitungkan nilai x apabila $y = 15$ dan $w = \frac{1}{3}$.