



Factorise fully.

$$36a^2 - 4y^2$$

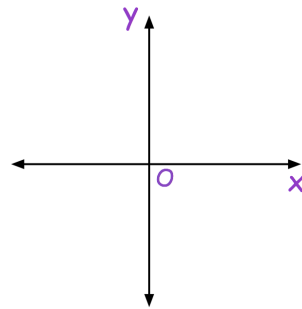
In a store room, the number of
black pens : blue pens : red pens
= 11 : 15 : 3

There are 1008 more black pens than
red pens.

Work out the number of blue pens in the
storeroom.

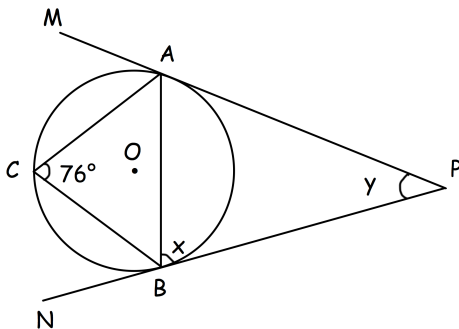
Sketch

$$y = \frac{4}{x}$$



An online retailer normally sells clothes at
70% more than the cost price.
In a sale the price of all clothes are
reduced until they are only 2% more than
the cost price.

By what percentage of the original selling
price have the price of the clothes been
reduced?



Find x and y