



$$w = \frac{\sqrt{c}}{x - 1}$$

$c = 9.5$  rounded to 1 decimal place  
 $x = 4.81$  rounded to 2 decimal places

Work out the lower bound of  $w$

$$\xi = \{2, 3, 4, 5, 7, 9\}$$

$$A = \{2, 3, 4, 5, 7\}$$

$$B = \{2, 3, 5, 9\}$$

A number is picked at random from the universal set,  $\xi$ .

Find  $P(A \cap B')$

$w$  is inversely proportional to  $y$   
 $x$  is directly proportional to the cube root of  $w$ .

$$\text{If } y = 6.5, w = 8$$

$$\text{If } w = 27, x = 100$$

Find the value of  $x$  when  $y = 0.8125$

Make  $y$  the subject of

$$\frac{8}{x} = \frac{3}{y} + \frac{2}{5}$$

Sketch  $x^2 + y^2 = 9$

