

8th May



The events A and B are mutually exclusive.

$$P(A) = 0.5$$

$$P(B) = 0.4$$

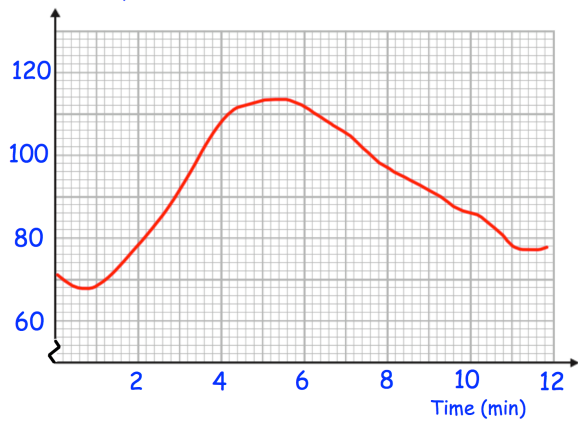
Find $P(A \cap B)$

Write in the form $a\sqrt{b}$, where a and b are integers to be found.

$$\frac{30}{\sqrt{6}}$$

Prove algebraically that the sum of the squares of any two odd numbers is always even.

Pulse (beats per min)



Work out the rate at which the pulse is decreasing at six minutes. Include units.

Work out the rate at which the pulse is increasing at three minutes. Include units.