19 (a) Evaluate $\dfrac{5}{6} + \dfrac{2}{7} - \dfrac{4}{9}$

Give your answer as a fraction.

Show your working clearly.

....
(2)

(b) Give your answer to part (a) as a decimal to 3 significant figures.

....
(1)

(c) Give your answer to part (b) in standard form.

....
(1)

(Total for Question 19 is 4 marks)

20 A particle P is moving along a straight line. At time t seconds, $(t \geqslant 1)$, the displacement, s metres, of P from a fixed point O of the line is given by $s = t + \dfrac{4}{t}$

The particle comes to instantaneous rest at the point A.

(a) Find the value of t for which P is at A.

....
(3)

When $t = 8$, P is at the point B.

(b) Find, in metres, the distance AB.

.... metres
(2)

(Total for Question 20 is 5 marks)