Homework 7

$$\frac{2}{3} \frac{7200}{7200} = 8.3 \, \text{ms/revolution}$$

$$\frac{8.3}{2} = 4.15 \, \text{ms} \quad \text{rotational delay}$$

4)
$$r = 7200 \, \text{r/m} / 60 \, \text{s} = 120 \, \text{n/s}$$

5)
$$T_a = T_S + \frac{1}{2r} + transfer time$$

 $T_a = 150 \text{ ms} + \frac{1}{2 \cdot 120 \text{ r/s}} + 0.01388 \text{ ms}$

$$T_a = 150 \text{ ns} + 4.17 \text{ ms} + 0.0138 \text{ ms}$$

 $T_a = 154.18388 \text{ ms}$