

f

$$e) 5, 5$$

$$d) 1.693$$

$$f(x) = 5 \sin(x + 0.9273)$$

$$c) T = \tan^{-1} \left( \frac{4}{3} \right) = 0.9273$$

$$iii) -0.9273$$

$$ii) 2\pi$$

$$b) i) 5$$

10) ~~c~~

$$ANS = 0.9735$$

$$P(5) = 0.25^5 = 0.4438$$

$$P(4) = \binom{5}{4} 0.25^4 \cdot 0.15 = 0.3915$$

$$P(3) = \binom{5}{3} 0.25^3 \cdot 0.15^2 = 0.1382$$

$$\text{we need } P(3) + P(4) + P(5) \quad \textcircled{+}$$