find it a better tactic to express simple

6. (1) 是，離散的　企管二甲 吳晨莉 A1072[illegible]54

(2) $X \sim B(10, 0.5)$，$P(X \geq 6) = 1 - P(X \leq 5)$
$= 1 - 0.623 = 0.377$

(3) $P(X \leq 4) = 0.377$.

34. (1) $P(X=0) = \frac{e^{0.5}\, 0.5^0}{0!} = e^{-0.5} = 0.6065$

(2) $P(X \geq 1) = 1 - P(X=0) = 1 - e^{-0.5} = 0.3935$

35. 令 X 為 10 呎寬 30 呎長的氣泡瑕疵數，則 $X \sim Po(3)$?

(1) $P(X=0) = \frac{e^{-3} 3^0}{0!} = 0.0498$

(2) $P(X=2) = \frac{e^{-3} 3^2}{2!} = 0.224$

39. 令 X 為上網時間長度，則 $X \sim N(5, 3.5^2)$

$P(X>8) = P(Z > \frac{8-5}{3.5}) = P(Z > 0.86) = 1 - 0.8051 = 0.1949$.

8. (1) $P(X>15) = P(\frac{X-13.2}{5.3} > \frac{15-13.2}{5.3})$
$= P(Z > 0.34) = 1 - P(Z \leq 0.34)$
$= 1 - 0.6331 = 0.3669$

(2) 因為 $X \sim N(13.2, 5.3^2)$，所以
$\bar{x} \sim N(13.2, \frac{5.3^2}{16})$ 即 $\frac{\bar{x}-13.2}{\frac{5.3}{\sqrt{16}}} \sim N(0,1)$
$P(\bar{x} > 15) = P(\frac{\bar{x}-13.2}{\frac{5.3}{\sqrt{16}}} > \frac{15-13.2}{\frac{5.3}{\sqrt{16}}})$
$= P(Z > 1.36) = 1 - P(Z \leq 1.36)$
$= 1 - 0.9131 = 0.0869$

120. At certain small and medium-sized ... decisions are

strengths and weaknesses at work ... if ... can be