

Solutions to final review

- 1)b
- 2i)b 2ii)d 2iii)b
- 3)c
- 4a)0.0475 4b)0.7123 4c)113.4
- 5)b
- 6)b and c (I meant to put  $-r$  for the choice  $c$  then there would be only one correct answer which is  $b$ , but the way  $c$  is written,  $c$  is correct too)
- 7)a
- 8a)0.2119 8b)73.9
- 9)b
- 6i)Central limit theorem ii)a
- 7)c
- 8)114.9  $\pm$  4.49
- 9i) $2 \pm 2.021\sqrt{9/60 + 4/40}$  9ii)c 9iii)d
- 10i) $0.25 \pm 1.960\sqrt{0.25 \cdot 0.75/200}$  10ii)b
- 11i) $0.1 \pm 2.576\sqrt{\frac{0.2 \cdot 0.8}{100} + \frac{0.1 \cdot 0.9}{100}}$
- 11ii)b
- 12i)d 12ii) 15.87%