$X \sim N(21.3, 1.7^2)$

a) $P(21 < X < 22) = P\left(\frac{21-21.3}{1.7} < \frac{X-21.3}{1.7} < \frac{22-21.3}{1.7}\right) = P\left(-0.18 < Z < 0.41\right) = \Phi\left(0.41\right) - \Phi\left(-0.18\right) = 0.6591 - 0.4286 = 0.2305$