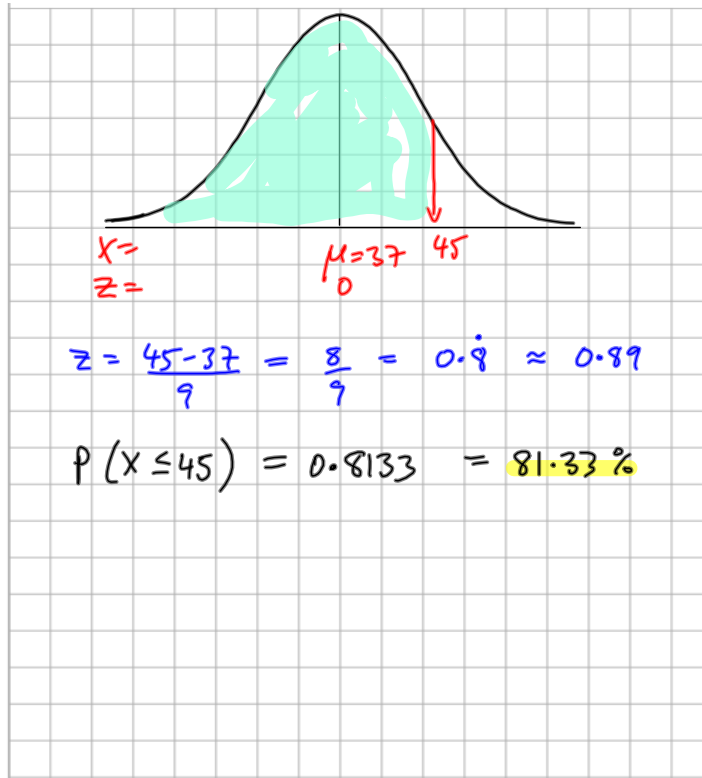


$\mu = 37$ $\sigma = 9$ normal distribution

Q1

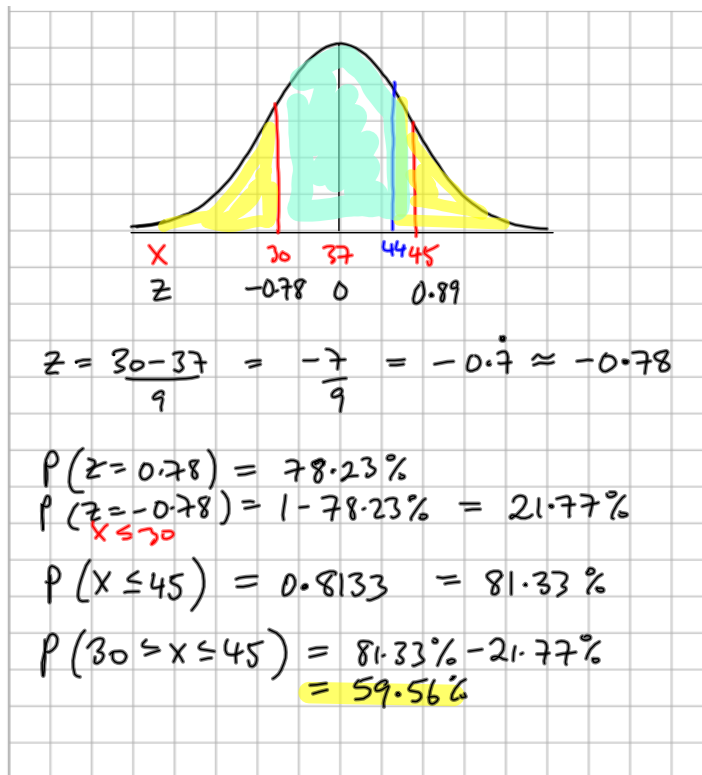
a (i) $P(X \leq 45)$



$$z = \frac{x - \mu}{\sigma}$$

Q1. a

(ii) $P(30 \leq X \leq 45)$



$$z = \frac{X - \mu}{\sigma}$$

$$P(X \leq 30) = ?$$

Q1
(b)

Petrol €1.49 per litre.
90% spent more than N

