

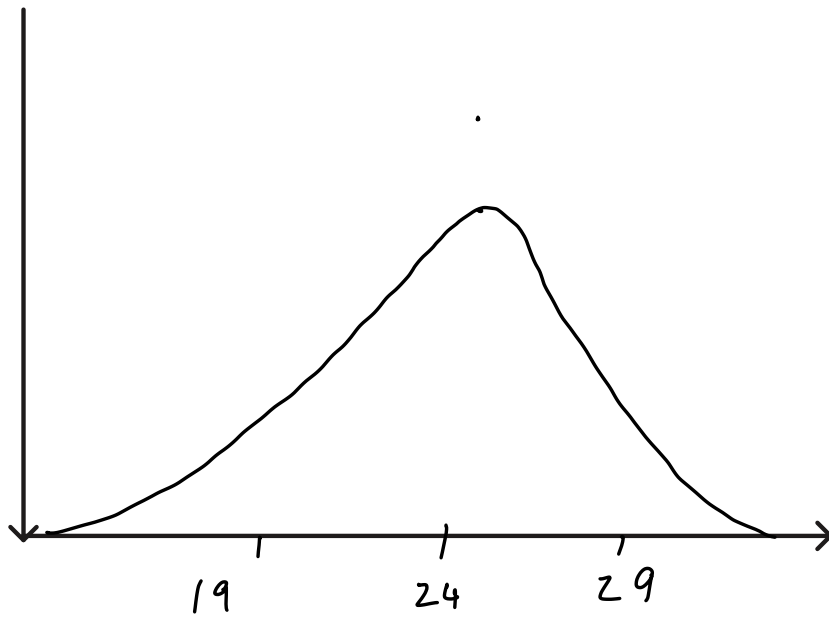
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Assignment

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Problem 1

a.)

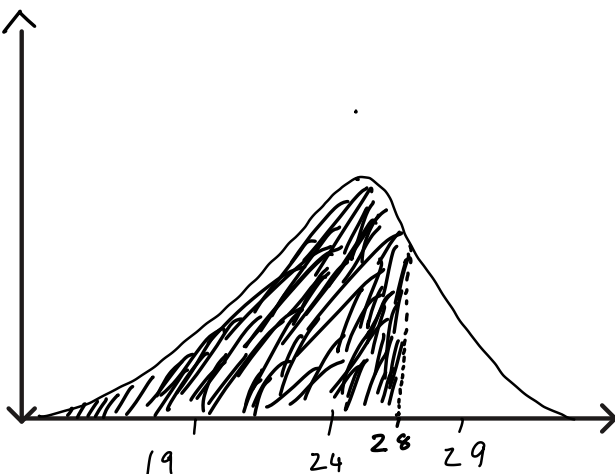


b.) $P(19 < x < 29)$

c.) $P(14 < x < 34)$

d.) $P(9 < x < 39)$

e.)



$$d.) P(X \leq 28)$$

$$pnorm(28, 24, 5)$$

$$P(X \leq 28) = 0.79$$

$$e.) P(X > 26)$$

$$1 - pnorm(26, 24, 5)$$

$$P(X > 26) = 0.35$$

$$h.) P(26 \leq X \leq 28)$$

$$pnorm(28, 24, 5) - pnorm(26, 24, 5)$$

$$P(26 \leq X \leq 28) = 0.13$$