Assignment # 4 19L-1135 Section 4E Probability and Statistics. (a 1636min 0 = 4.6 P(2 7, 30) P(30 L x L 36) + 0.5 = p(0 < x < (36+6)) + 0.5 = p(0cx c 42) + 0.5 u = 36  $\sigma = 4.6$  $3 = \frac{42-36}{4.1} = 1.30$ P(02321.3) + 0.5 looking value of z=1.3 in table = 0.4032 + 0.5 = (0.9032) Ans.

15 p(x < 15) reach on time P(x 7, 15) Sate (required) = 0.5 + p(02x < 36+15) = 0.5+ P(OCX < 51) = 0.5 + p(0232 51-36) table but it is 73.19 which means 0.5. p(late) = 1 means (100%) Ans

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