

AP STATISTICS

Probability Models Worksheet (HW #30)

Selected Answers:

1. b) mean = 23, st. dev = 15
 d) mean = 30, st. dev = 8.66
 e) mean = 200, st. dev = 31.241
2. b) mean = 18200 kg, SD = 14.23 kg
3. a) Approximately normal, with mean = 27 ounces, st. dev = 0.5879 ounce
 c) Approximately normal, with mean = 79.6 oz, st. dev = 1.92 oz. $P(W > 83) = 0.0384$
5. a) mean = \$5.97, st. dev = \$0.956
 b) $P(\text{total } \$\$ > 320) = 0.0007$