

Statistics 31, Section 3, Homework # 2

Due: Thursday, September 7, 2000

1.43 a (use the answer to 1.20 posted in Class Example 4), b (males: $Q1 = 101$, $Q3 = 141.5$)

1.44 (easiest with Excel)

1.55, 1.56

1.43 c (but no box plot), d

1.53 (c. $Q1 = 85.25$, $Q3 = 92$, $IQR = 6.75$, $M + 1.5 IQR = 98.6$, so 2 outliers)

B5: For the 18 Female scores in 1.43, use Excel to:

a. give the list of standardized scores.

b. Give the Z-scores for:

i. the mean (0)

ii. the median (-0.0967)

iii. the smallest (-1.52)

iv. the largest (2.23)

1.69 (note: the height of the curve is 1)

1.74, use Excel.

1.81, 1.87, 1.88 a, b (5.21%, 54.7%), 1.93