Name _____ Date_____

Lesson 23: Using Sample Data to Decide if Two Population Means are Different

Exit Ticket

1. Do eleventh grade males text more per day than eleventh grade females do? To answer this question, two randomly selected samples were obtained from the Excel data file used in this lesson. Indicate how 20 randomly selected eleventh grade females would be chosen for this study. Indicate how 20 randomly selected eleventh grade males would be chosen.

2. Two randomly selected samples (one of eleventh grade females, and one of eleventh grade males) were obtained from the database. The results are indicated below:

	Mean number of minutes per day texting	MAD (minutes)
Eleventh grade females	102.55	1.31
Eleventh grade males	100.32	1.12

Is there a meaningful difference in the number of minutes per day that eleventh grade females and males text? Explain your answer.