

## Answer Key

Testname: UNTITLED1

1) D

2) D

3) B

4) C

5) C

6) B

7)  $H_0: \mu_d = 0$ .  $H_1: \mu_d \neq 0$ . Test statistic:  $t = -2.134$ . Critical values:  $t = 4.604, -4.604$ .

Fail to reject  $H_0$ . There is not sufficient evidence to support the claim that the tutoring has an effect.

8)  $H_0: \mu_d = 0$ .  $H_1: \mu_d > 0$ .

Test statistic  $t = 1.954$ . Critical value:  $t = 3.143$ .

Fail to reject  $H_0$ . There is not sufficient evidence to support the claim that the diet is effective in reducing weight.