

As you can see in Table 9.1, the simple effects of SES and achievement in eighth grade were both significant predictors ( $R = 0.86$ ,  $R^2 = 0.75$ ,  $F_{(2, 12,476)} = 18,251.22$ ,  $p < .0001$ ). In addition, once the interaction term was entered into the model, there was a significant increase in variance accounted for ( $\Delta R^2 = 0.004$ ,  $F_{(1, 12,475)} = 188.326$ ,  $p < .0001$ ). This indicates that the interaction is significant. To explore the nature of the interaction, values of  $-2$  and  $+2$  were entered into the regression equation from the last step to create four predicted values for all possible combinations of high and low achievement and SES.