Fill in the blanks in the ANOVA table below (1/2 pt each), and answer the questions that follow. Note: 25 subjects participated in each treatment.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | SS | df | MS | F | p-value |
| ModelErrorTotal | 2000.00 |  | 34.00 |  | .001 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source | SS | df | MS | F | p-value |
| ABAxB |  | 24 | 42.00 | 4.00 | .006.025.004 |

1. According to the output, which effects were significant if alpha = .01? (3 pts)
2. What proportion of the variance in the dependent measure can the three independent factors (A, B and the interaction) explain? (3 pts)