**AP Stat Chapter 9 Formula Study Sheet**

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| Lesson | 9.2 – Significance Test for a Proportion | 9.3 – Significance Test for a Mean |
| Symbol for statistic (sample) |  |  |
| Symbol for parameter (population) |  |  |
| Name the procedure |  |  |
| RANDOM condition |  |  |
| 10% condition |  |  |
| NORMAL condition |  |  |
| Formula for mean of the sampling distribution |  |  |
| Formula for standard deviation of the sampling distribution |  |  |
| General formula for test statistic |  |  |
| Specific formula for test statistic |  |  |
| Picture |  |  |
| How to find P-value |  |  |

**4 STEP PROCESS**

**STATE: Parameter, statistic, hypotheses, and significance level.**

**PLAN: Name the appropriate inference method and check conditions.**

**DO: If the conditions are met, perform the calculations.**

Picture, general formula, specific formula, work, test statistic, P-value.

**CONCLUDE: Make a conclusion about the hypotheses in the context of the problem.**