Identify the test (circle one):

1. Significance test for one proportion (1-PropZTest)
2. Significance test for the difference of two proportions (2-PropZTest)
3. Significance test for a mean (T-Test)
4. Significance test for the difference of two means (2-SampTTest)

Data: Significance level $\alpha =$ _____

Other: (depending on the test, circle and give the necessary values)

$p_0 =$ _____ $\hat{p} =$ _____ $\overline{x} =$ _____

$\mu_0 =$ _____ $\hat{p}_1 =$ _____ $\overline{x}_1 =$ _____

$n =$ _____ $\hat{p}_2 =$ _____ $\overline{x}_2 =$ _____

$n_1 =$ _____ $x_1 =$ _____ $s =$ _____

$n_2 =$ _____ $x_2 =$ _____ $s_1 =$ _____

$x =$ _____ $s_2 =$ _____

Check the conditions:

1.

2.

3.

State the hypotheses:

H_0 :

H_a :

where (circle and describe in words the appropriate symbol(s): $p, p_1, p_2, \mu, \mu_1, \mu_2$)

Compute the test statistic, p-value, and label and complete the sketch:

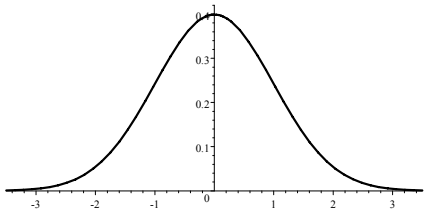
Test statistic: [ ] = _____

formula

P-value = _____

Is the sample significant? _____

Yes/No



Conclusions:
(Circle one) We reject/don't reject the null hypothesis.
Explain in context.