

### Pollster's Task #9: Normal Approximation Rubric

Criteria	1 pt.	2 pts.	3 pts.	4 pts.
<b>Step 1: Identifying Relevant Information</b>	Identified one or none of the following: $n$ , $p$ , $1-p$ , $\sigma$	Identified two of the following: $n$ , $p$ , $1-p$ , $\sigma$	Identified three of the following: $n$ , $p$ , $1-p$ , $\sigma$	Identified all of the following: $n$ , $p$ , $1-p$ , $\sigma$
<b>Step 2: Check the conditions</b>	Did not check the conditions	Checked the conditions	_____	_____
<b>Step 3: Probability statement</b>	Did not write a probability statement	Attempted to write a probability statement, some mistakes in the statement	Wrote an accurate probability statement for the problem	_____
<b>Step 4: Z-score and Graph</b>	Did not find a z-score and draw a graph	Did find a z-score but did not draw a graph or did draw a graph but did not find a z-score	Did find a z-score and did draw a graph, but made some mistakes	Accurately found a z-score and drew a graph
<b>Step 5: Find the answer</b>	Did not find an answer based on the graph that was drawn	Found an answer based on the graph that was drawn	_____	_____
<b>Explaining the use of the Normal Approximation</b>	Did not explain why it was appropriate to use the Normal Approximation	Inaccurate explanation for why it was appropriate to use the Normal Approximation	Accurate explanation for why it was appropriate to use the Normal Approximation	_____