Confidence Intervals by Formula: MATHguide   Name: _____
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These problems address Common Core State Standard HSS-IC.B.4.

1)   Go to https://www.youtube.com/watch?v=ICLG2opohHg
     This video will help you to create confidence intervals.

2)   Go to http://www.mathguide.com/cgi-bin/quizmasters3/CI.cgi and correctly do three problems. Show your
     work.

$$ME = 1.96 \sqrt{\frac{\hat{p}(1 - \hat{p})}{n}}$$

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Problem A	Problem B	Problem C
$\hat{p} =$ $n =$	$\hat{p} =$ $n =$	$\hat{p} =$ $n =$

3) Go to http://www.mathguide.com/cgi-bin/quizmasters3/MS.cgi and correctly do three problems. Use your calculator to find the mean and the sample standard deviation. Show your work when you use the formula.

$$ME = 1.96 \frac{s}{\sqrt{n}}$$

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Problem A	Problem B	Problem C
$s =$ $n =$	$s =$ $n =$	$s =$ $n =$

4) For any one of the six problems you have done, write a summary statement for your confidence interval. This must be done using a complete sentence.