	HW1. A random sample of 100 adults are asked if they pay for monthly subscriptions that they do not use, like a magazine, app, or online program. Many do, because they have never taken the time to cancel the subscription. A 95% confidence interval for the proportion of adults who to pay for subscriptions they do not use is 0.352 to 0.548.
i	a. Interpret the confidence interval.
	b. Calculate the point estimate and the margin of error.
	c. Based upon this survey, a reporter claims that a majority of adults continue to pay for monthly subscriptions they do not use. Use the confidence interval to evaluate this claim.
:	HW2. The P.E. teacher of a large high school wants to estimate the mean number of pushups students at this school can do in one minute. He selects a random sample of 30 students from those who are there after school fo sports practices. He records how many pushups each of the students in the sample can do in one minute. He determines that he is 90% confident that the interval from 24.1 to 28.5 captures the mean number of pushups that students at this school can do in one minute. a. Interpret the confidence level.
	b. Explain what would happen to the length of the interval if the confidence level were increased to 99%.
	c. How would a 90% confidence interval based on a sample of size 200 compare to the original 90% interval?
	d. Describe one potential source of bias in this study that is not accounted for by the margin of error.

