Which gender uses Twitter more?

A recent random sample of 200 U.S. females revealed 110 use Twitter regularly. A separate random sample of 150 males revealed that 60 use Twitter regularly. Construct a 95% confidence interval for the true difference in proportions who use Twitter regularly (females – male).

STATE: State the parameter you want to estimate and the confidence level.

Parameter: 
Statistic: 
Confidence level: 

PLAN: Identify the appropriate inference method and check conditions.

Name of procedure: 
Check conditions: 

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

General Formula: 
Specific Formula: 
Work: 

Answer: 

CONCLUDE: Interpret your interval in the context of the problem.

Interpret:
Check Your Understanding

A Pew Research Center poll asked independent random samples of working women and men how much they value job security. Of the 806 women, 709 said job security was very or extremely important, compared with 802 of the 944 men surveyed. Construct and interpret a 95% confidence interval for the difference in the proportion of all working women and men who consider job security very or extremely important.