

PHONE A FRIEND

Your friend is on *Who Wants to be a Math Master?* and is unsure about one of the questions. Luckily for them, they have the option to call a friend: you! Your friend knows that she is trying to prove $\triangle ABC \cong \triangle DEF$ but is not sure which congruence theorem to use. She said that she was given $m\angle A = m\angle D = 35^\circ$, $m\angle C = m\angle F = 55^\circ$, $AB = DE = 9$ inches, and $AC = DF = 11$ inches, but you both know that that is too much information.

- 1) Identify which given piece(s) of information is (are) not needed.
- 2) What congruence theorem should your friend use?
- 3) Now that you are not on the phone, explain your reasoning:

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