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 Δ*ABC* ≌ Δ*DEF* but is not sure which congruence theorem to use. She said that she was given *m*∠*A* = *m*∠*D* = 35°, *m*∠*C* = *m*∠*F* = 55°, *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:



Countdown to Congruence

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