

Calculate S , the complex power of a load (in rectangular form), given the following data:
Magnitude of $S = 600 \text{ VA}$; $Q = 450 \text{ VAR (inductive)}$

- a. $S = 396.9 + j450 \text{ VA}$
- b. $S = 269.9 - j150 \text{ VA}$
- c. $S = 269.9 - j450 \text{ VA}$
- d. $S = 369.9 + j150 \text{ VA}$