## Chapter 11, Solution 88.

(a) 
$$\mathbf{S} = (110)(2\angle 55^{\circ}) = 220\angle 55^{\circ}$$

$$P = S\cos\theta = 220\cos(55^{\circ}) = 126.2 W$$

(b) 
$$S = |S| = 220 \text{ VA}$$