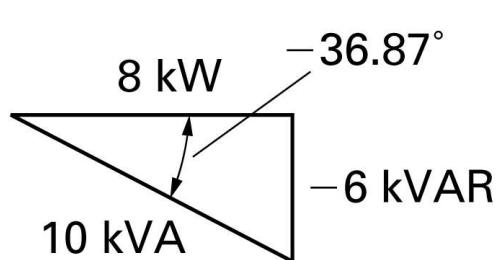


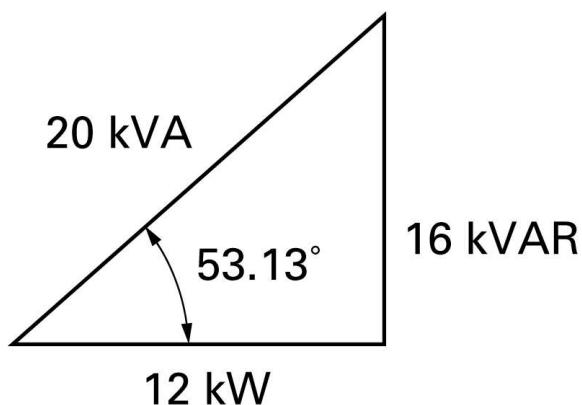
Figure 10.2 Instantaneous power, voltage, and current versus ωt for steady-state sinusoidal operation.

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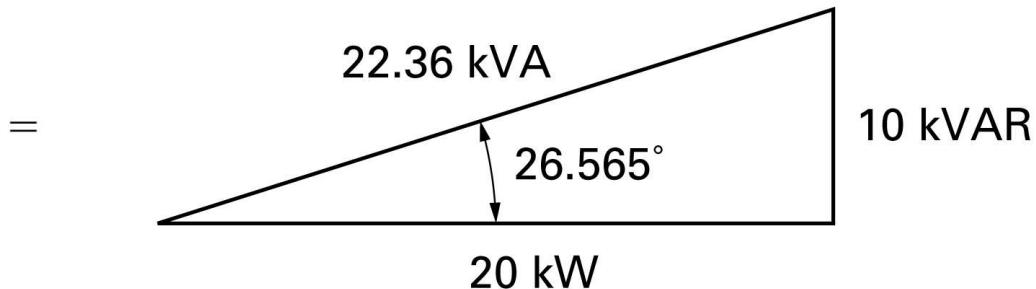


(a)

+



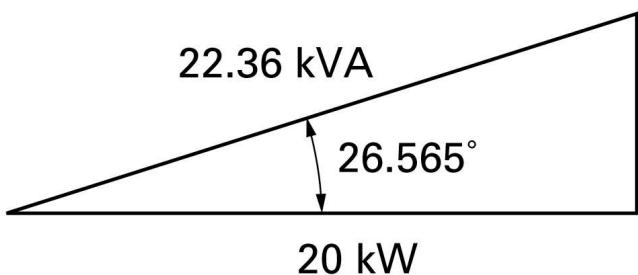
(b)



(c)

Figure 10.15 (a) The power triangle for load 1. (b) The power triangle for load 2. (c) The sum of the power triangles.

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(a)

10 kVAR

+

-10 kVAR

(b)

$=$

20 kW

(c)

Figure 10.16 (a) The sum of the power triangles for loads 1 and 2. (b) The power triangle for a $424.4 \mu\text{F}$ capacitor at 60 Hz. (c) The sum of the power triangle in (a) and (b).

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