Chapter 9, Solution 16.

(a) $-20\cos(4t + 135°) = 20\cos(4t + 135° - 180°)$
$= 20\cos(4t - 45°)$
The phasor form is $\mathbf{20\angle -45°}$

(b) $8\sin(20t + 30°) = 8\cos(20t + 30° - 90°)$
$= 8\cos(20t - 60°)$
The phasor form is $\mathbf{8\angle -60°}$

(c) $20\cos(2t) + 15\sin(2t) = 20\cos(2t) + 15\cos(2t - 90°)$
The phasor form is $20\angle 0° + 15\angle -90° = 20 - j15 = \mathbf{25\angle -36.87°}$