Simplify the following and give the answer as a single sinusoid.
(a) $x_{a}(t)=\sqrt{2} \cos (7 \pi t-3 \pi / 4)+\cos (7 \pi t+\pi / 2)$
(b) $x_{b}(t)=\cos (33 \pi t+3 \pi / 2)+\sqrt{3} \cos (33 \pi t+6 \pi)$
(c) $x_{c}(t)=\cos (\pi t+3 \pi / 2)+\cos (\pi t+5 \pi / 6)+\cos (\pi t+\pi / 6)$

