

3.36. a) $\sqrt{2} \sin(x + \frac{\pi}{4})$ **b)** $\sqrt{2} \sin(x + \frac{3\pi}{4})$ **c)** $\sqrt{2} \sin(x + \frac{5\pi}{4})$

d) $2 \sin(x - \frac{\pi}{6})$ **e)** $2\sqrt{2} \sin(2v + \frac{4\pi}{3})$ **f)** $\sqrt{5} \sin(\alpha + \arctan \frac{1}{2})$