

$$(b) \int_0^{\sqrt{3}/4} \frac{dx}{1+16x^2}$$

$$(c) \int \frac{1+x}{1+x^2} dx$$

$$(d) \int_0^{\pi/2} \frac{\sin x}{1+\cos^2 x} dx$$

$$(e) \int \frac{dx}{\sqrt{1-x^2} \sin^{-1} x}$$

$$(f) \int_{1/\sqrt{3}}^{\sqrt{3}} \frac{8}{1+x^2} dx$$