$$\mathbb{E}[h(x)|Y] = \int h(x) f_{XIY}(xIY) dx.$$

$$F\left[\frac{2}{3}x^{2}\right]f(x)=0$$

$$2=f(x)$$

y PY/2 (y/2) dz. dy

= \frac{y}{P\frac{12}{2}} \frac{P\frac{1}{2}}{P\frac{1}{2}} \frac{1}{2}

PY, 2 (4, 2) = DXIV (X(O,Z),y) 15/do.

PERE) CAT Jy J@(Z) Pxx (x10 2), y) (J) do dy

是(2)