Zad 3

$$X \sim N(0,1)$$
 czyli $f(x) = \sqrt{2}$ $e^{\frac{x^2}{2}}$ $e^{\frac{x^2}{2}}$

Whech $Y = X^2$
 $F_Y(t) = P(Y \subset t) = P(X^2 \subset t) = P(-JE \subset X \subset JE) = F_X(JE) - I$
 $= F_X(JE) - F_X(-VE) = F_X(JE) - (I - F_X VE)| = 2 F_X(JE) - I$
 $f_Y(y) = (F_X(X))^1$
 $f_Y(y) = (2F_X(VE) - I)^1 = \frac{t}{2} = \frac{1}{\sqrt{t}} \cdot \frac{1}{\sqrt{2\pi}} \cdot e^{\frac{t}{2}}$

Zad 5

Whech $Y = X^2$, goleie $X \sim (V(0,1))$
 $I^0 = Y = Y^2$, goleie $X \sim (V(0,1))$
 $f_Y(y) = |2F_X(JE)| - I$
 $f_Y(y) = I$
 $f_Y(y) =$

X~ Gamma (6,p), b=2, p=2