1. Restricted to miona promotopodobleistwo , mixe subour mion shi orion whi promotopodobleist
$$\frac{1}{4} = P(X=-1) = P(2X+1) = -1 + P(4=-1)$$

$$\frac{3}{4} = P(X=1) = P(2X+1) = P(2X+1) = P(4=3)$$

$$\frac{3}{4} = P(X=1) = P(2X+1) = P(2X+1) = P(2X+1)$$

$$\frac{3}{4} = P(X=1) = P(2X+1) = P(2X+1) = P(2X+1)$$

- 3. $P(X=A) = \frac{1}{4} R R R^{2} \cdot A P(X=A) = \frac{1}{4} = 5 P(X=A) = \frac{1}{4} + \frac{1}{4} = \frac{1}{2}$ $P(X=1) = \frac{1}{8} ; P(X=-2) = \frac{1}{8} = 5 P(X=4) = \frac{1}{8} + \frac{1}{8} = \frac{1}{4}$ $P(X=3) = \frac{1}{16} ; P(X=3) = \frac{1}{16} = 5 P(X=9) = \frac{1}{16} + \frac{1}{16} = \frac{1}{4}$ $P(X=4) = \frac{1}{4} ; P(X=-4) = \frac{1}{16} = 5 P(X=16) = \frac{1}{46} + \frac{1}{46} = \frac{1}{4}$ $W(x=1) = \frac{1}{4} ; P(X=-4) = \frac{1}{46} = 5 P(X=16) = \frac{1}{46} = \frac{1}{46}$ $W(x=1) = \frac{1}{4} ; P(X=-1) = \frac{1}{46} = 5 P(X=16) = \frac{1}{46} = \frac{1}{46}$ $P(X=1) = \frac{1}{4} ; P(X=-1) = \frac{1}{46} = 5 P(X=16) = \frac{1}{46} = \frac{1}{46}$ $P(X=1) = \frac{1}{4} ; P(X=-1) = \frac{1}{46} = 5 P(X=16) = \frac{1}{46} = \frac{1}{46}$ $P(X=1) = \frac{1}{46} = \frac{1}{46} = \frac{1}{46}$ $P(X=1) = \frac{1}{46} = \frac{1}{46} = \frac{1}{46}$ $P(X=1) = \frac{1}{46} = \frac{1}{46} = \frac{1}{46}$
- 2. P(X=0)=01 => $P(X^{2}=0)=0$ 1 2 P(X=A)=02 => $P(X^{2}=4)=0$ 3 P(X=2)=03 => $P(X^{2}=4)=0$ 3 P(X=4)=01 => $P(X^{2}=4)=0$ 1 P(X=9)=01 => $P(X^{2}=4)=0$ 1 P(X=9)=01 => $P(X^{2}=0)=0$ 1 => $P(X^{2}=0)=0$ 1 $P(X^{2}=0)=0$ 1 $P(X^{2}=0)=0$ 1 $P(X^{2}=0)=0$ 1 $P(X^{2}=0)=0$ 1 $P(X^{2}=0)=0$ 1
- 4. a) $f_{X}(x) = \int_{0}^{2} \frac{x(1)}{1 \times x^{2}} = \sum_{x \in \mathbb{Z}} F_{x}(x) = \int_{0}^{2} \frac{x(1)}{1 \times x^{2}} = \sum_{x \in \mathbb{Z}} F_{x}(x) = \int_{0}^{2} \frac{x(1)}{1 \times x^{2}} = \int_{0}^{2} \frac{x(1)}{1 \times x^{2$
 - b) $f_{\mathbf{x}}(\mathbf{x}) = \frac{1}{2} e^{-2x} \times \frac{20}{20}$ = rocklad wykładnicy h = 2 $F_{\mathbf{z}\mathbf{x}}(t) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 \right)^2 + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 \right)^2 = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 \right)^2 + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 \right)^2 = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right)^2 \right)^2 + \frac{1}{2} \left(\frac{1}{2} \left(\frac{$