$$\frac{2}{9} \qquad \frac{2 \times 6}{9} = \frac{1}{9} = 2 \times \frac{1}{9} = 2 \times \frac{1}{9} = \frac{1}{2} \times \frac{1}{9} = \frac{$$

Q1 K(49=(X-4+1)3 is an example of atim, ladis of le los sous blod sous 60 or od al we know that For K(4,4) to be a kernel 14 moust sontisfy. x x,y (x,y) = p(x). q(y) K(413) = (x, y +1) = (x, y +1) = (x, y +1) = (x.y2 + 2.(x.4) +1) (x.4+1) $= (x.9)^{3} + 2(x.9)^{2} + x.9 + (x.9)^{2} + 2(x.9) + 1$ $= (4.4)^3 + 3(x.9)^2 + 3(x.9) + 1$ = (4191+4545) +3. (4191+4595) +3 (4191+4292) +1

$$\frac{23 \times 1}{23 \times 1}$$

$$\frac{23 \times 1}{3}$$

