Exercises: Section 8

$$= \frac{|E|}{n} \langle E \rangle = \frac{E}{n} \langle E \rangle$$

Formal Proof:

let
$$270$$
, let $N = \frac{1}{2}$. Then $n>N$

$$\frac{1}{N} = \frac{1}{N} = \frac{1}$$

Parol: Led E70) we want to Brook for mon

$$\frac{2n-1}{3n+2} - \frac{2}{2} | \leq \frac{2}{3n+2}$$

$$= 3 \qquad \left(\frac{-9}{3(3n+2)} \right) < \varepsilon$$

$$\frac{3N45}{3}(\xi =)\left(\frac{\varepsilon}{3} - 5\right)\frac{7}{7} < \omega$$

Footmal Potouf:

Let 570, and N= 1/2, Vn>N

"6 2 5-5

$$= \frac{3(3w45)}{-6} < \xi$$

8019) Jour 246 20

Let E70, we want to Porove

= 1 xx-0 < E

It is difficult to solve for on isolate

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we need not need to find least N

these foxo: => find UPPER Round to numerat

Lower Bound to denomenator,

i.e 746 < 77

8 25-65 25 ton U.23

there fore

Y~72

$$\left|\frac{u_5-6}{u_46}\right| \leq \left|\frac{5}{4u}\right| < 5$$

Formal Potood:

let 8702 let N = max (11, 22) the 4771

$$= \frac{3}{2n} \left[\frac{3}{2n} \right] < \xi$$

$$= \frac{\omega_5 - e}{\kappa_4 e} \left| 5 \right|$$

Hence Proved