Teopus bepositioned in Mat. etat. Spon 7)

$$M(X) = \frac{a+b}{2} = \frac{200+800}{2} = 500 - cpequee znavenue$$

$$D(X) = \frac{(b-a)^2}{12} = \frac{(800-200)^2}{12} = 30000 - guenepous$$

$$2 \quad a = 0.5$$

$$D(x) = 0.2$$

$$b = \frac{1 + \sqrt{9.6}}{2} = 0.2$$

(3)
$$f(x) = \frac{1}{4\sqrt{2\pi}} \cdot e^{\frac{-(x+2)^2}{32}}$$
 $f(x) = \frac{1}{6-\sqrt{2\pi}} e^{\frac{(x-a)^2}{26^2}}$, $1 = \frac{1}{6-\sqrt{2\pi}} e$

a)
$$M(x)=a=-2$$

 δ .) $D(x)=6^2=16$
b.) $s+d(x)=6=4$ -cpequee ubagparwinoe orknohemue

$$(5) e^{2} = D(X) = 25$$

$$e = 5 = std(X)$$

$$Z = \frac{190 - 178}{6} = 2,4$$

(4)
$$M(X) = 174$$

 $\sigma = 8$
a) $z = \frac{182 - 174}{8} = 1$