

TEST TWO

a) Number of days a Criminal trial lasted

$$b) X \sim N(\mu, \sigma)$$

$$\underline{\underline{X \sim N(21, 7)}}$$

$$c) Z = \frac{(X - \mu)}{\sigma}$$
$$= \frac{(24 - 21)}{7}$$
$$= \frac{3}{7}$$
$$= 0.42857$$

From the table
0.4 under 2
= 0.3372

$$d) Z = \frac{(X - \mu)}{\sigma}$$
$$= \frac{30 - 24}{7}$$
$$= \frac{6}{7}$$

~~= 0.86~~
From the table 0.8 under 6
= 0.1949