4.

MEAN = 60
MEDIAN = 40
STD DEV = 10

$$SKEWNESS = \frac{3(MEAN - MEDIAN)}{STD. DEV.}$$

$$= \frac{3(60 - 40)}{10}$$

SKEWED RIGHT

$$= \frac{60}{10}$$

$$= 6$$

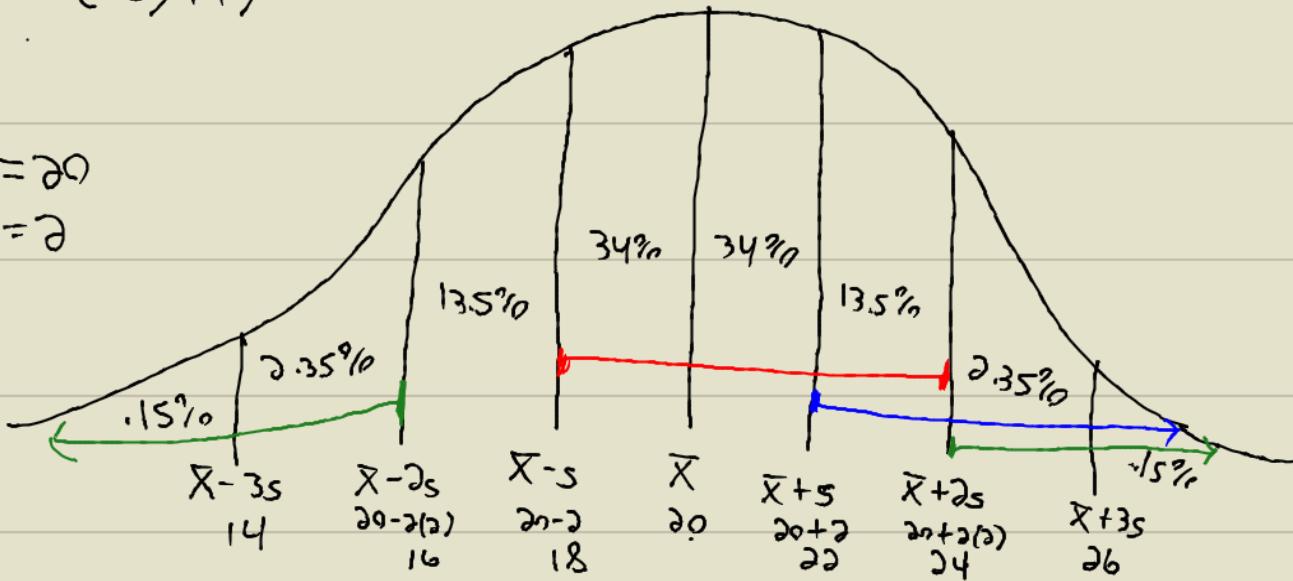ex: $\bar{X} = 10 \quad s = 2$

$$(\bar{X} - 2s, \bar{X} + 2s)$$

$$(10 - 2(2), 10 + 2(2))$$

$$(6, 14)$$

5.

$\bar{X} = 20$

$s = 2$

34%   34%

13.5%   13.5%

2.35%   2.35%

.15%   .15%

$\bar{X} - 3s$	$\bar{X} - 2s$	$\bar{X} - s$	$\bar{X}$	$\bar{X} + s$	$\bar{X} + 2s$	$\bar{X} + 3s$
14	20-2(2)	20-2	20	20+2	20+2(2)	26
	16	18		22	24	

a) 🔴 $34\% + 34\% + 13.5\% = 81.5\%$

b) 🔵 $13.5\% + 2.35\% + 0.15\% = 16\%$

c) 🟢 $.15\% + 2.35\% + 2.35\% + .15\% = 5\%$