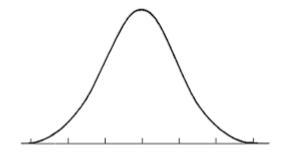
1. Year 2000 salaries for the Los Angeles Lakers:

Shaquille O'Neal	\$17.1 million	Ron Harper	\$2.1 million
Kobe Bryant	\$11.8 million	A.C. Green	\$2.0 million
Robert Horry	\$5.0 million	Devean George	\$1.0 million
Glen Rice	\$4.5 million	Brian Shaw	\$1.0 million
Derek Fisher	\$4.3 million	John Salley	\$0.8 million
Rick Fox	\$4.2 million	Tyronne Lue	\$0.7 million
Travis Knight	\$3.1 million	John Celestand	\$0.3 million

- a. Find the mean (\bar{x}) . Show work.
- b. Find the standard deviation σ_x . List each step that you are doing. (Not calculator steps, conceptual steps.)

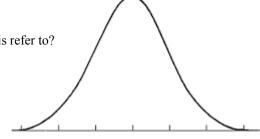
- c. Find the range. Show work.
- 2. The distribution of heights of adult American men is approximately normal (has a bell-shaped distribution) with mean 69 inches and standard deviation of 2.5 inches. Draw and label the distribution. Then answer the questions below.
 - a. What percent of men are taller than 74 inches?
 - b. Between what heights do the middle 95% of men fall?
 - c. What percent of men are shorter than 66.5 inches?



- 3. Scores on the Weschler Adult Intelligence Scale (a standard "IQ" test) for the 20 to 34 age group are approximately normally distributed with a mean of 110 and a standard deviation of 25. Draw and label the distribution. Then answer the questions below.
 - a. What percent of the people in this age groups have scores above 110?

b. About what percent have scores between 85 and 160?

c. If a "low" score is below 60, what percent of the people does this refer to?



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2. 111	na the 1	QIC OI I	ne data	set. Di	iow you	ii work.							
3. Co	onstruct	a box-a	and-whi	sker pl	ot of the	e data so	et. Use	a ruler.					
Short	Answe	r:											
4. Wh	nen wor	king wi	th quar	tiles, w	hat perc	cent of t	he data						
	a.	is abo	ove the	third qu	artile?								
	b.	belov	v the sec	cond qu	artile?								
	c.	betwe	een the	first and	d third o	quartile	?						