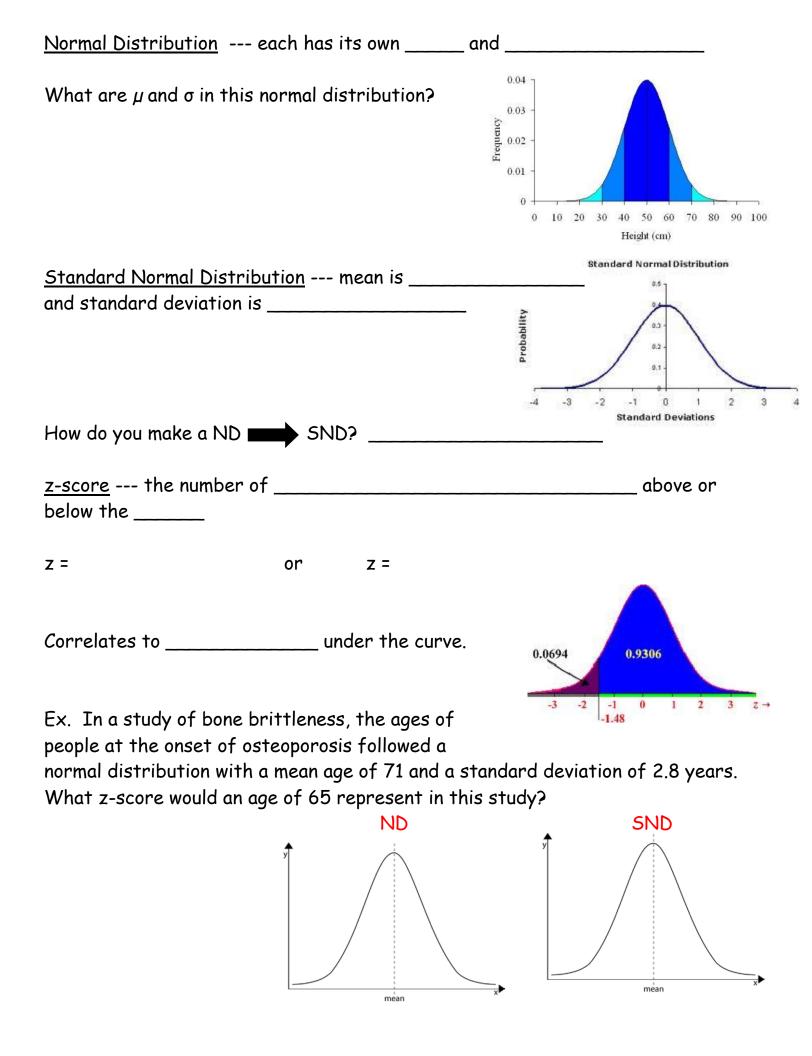
Unit	el Precalc No #1: Data Analy on #8: Norma	ysis	ons	Name
EQ:				
Reca		s of Distributions		
Norn				random variables
<u>Char</u>	acteristics of a	a Normal Distribution:		
1.		,Shaped C	urve and _	modal.
2.	distribution.	are equa	al and loca	ited at the of the
		about the	Not	
3.	The curve is _ crosses the 	, no ga	ps or hole	s. The curve never touches or
4.	The total	under the curve equ	ials	
	Recall:	R	ule - <u>2.6</u> -3	13.5% 34% 34% 13.5% 2.5% -2 -1 0 1 2 3 Standard Deviations



Finding the Area under the Curve

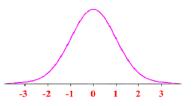
Ex. Find the area under the curve to the left of z = -2.18.

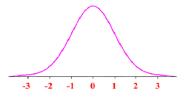
- Ex. Find the area under the curve to the left of z = 1.35.
- Ex. Find the area under the curve to the right of z = 0.75.

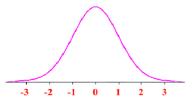
Ex. Find the area under the curve between z = -1.36 and z = 0.42.

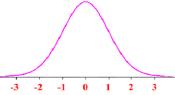
Ex. Find the area under the curve between z = 1.60 and z = 3.3.

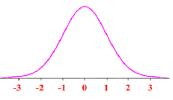


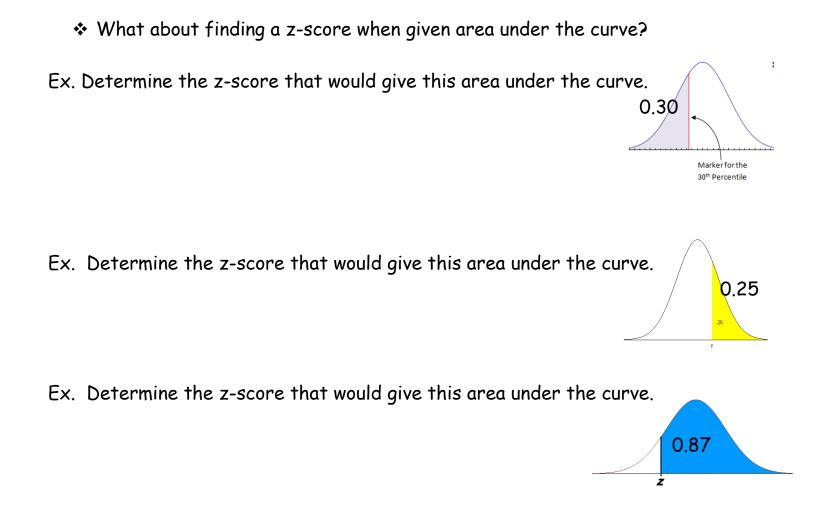












Practice Worksheet: Calculating Area Using z-scores