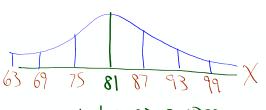
## Pick up the Warm Up

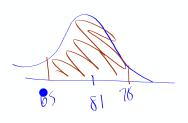
You'll want to look at you reference sheets for Notation

Chapter 1 test scores from Mrs. Gallas's first-hour class follow an approximately Normal distribution with a mean of 81 and standard deviation of 6.

a) Sketch the Normal curve that approximates the distribution of Chapter 1 test scores. Label appropriately.

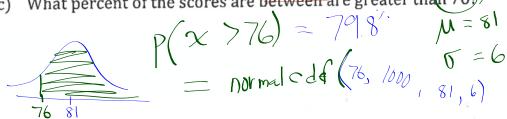


Ch. | Test scores

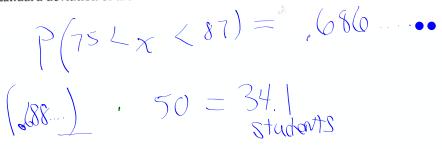


7 30.5 normal cdf (68,78,81,6)

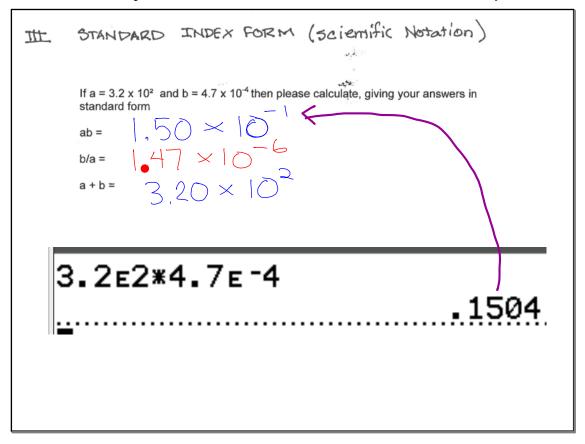
c) What percent of the scores are between are greater than 763)

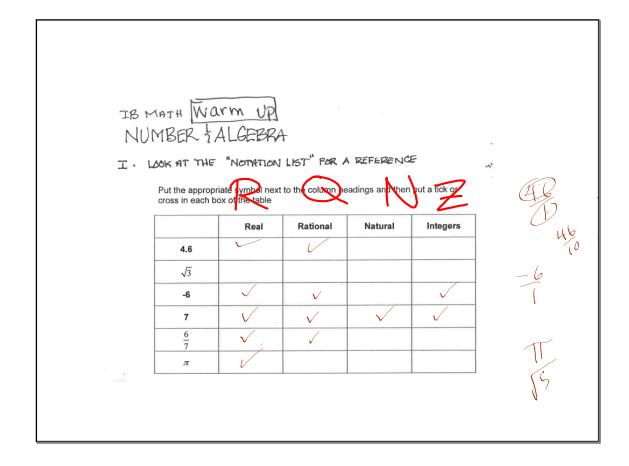


d) If there are 50 students in the class, approximately how many students have a score within one standard deviation of the mean?

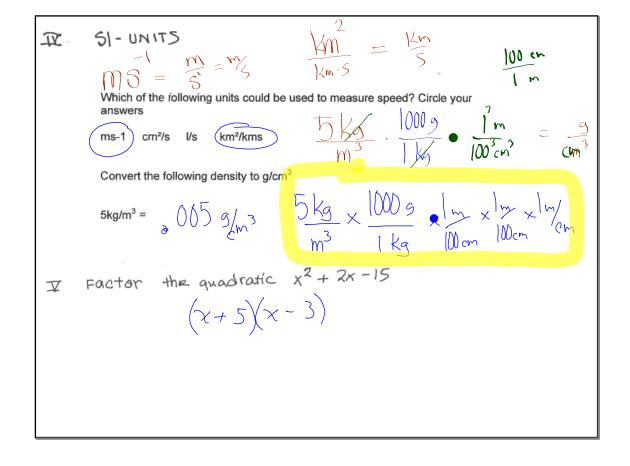


There are many small isolated topics that are in the IB Math Curriculum. Those will be handled during warm ups.





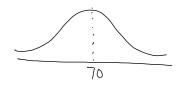
TR MATH WAYM UP  NUMBER LALGEBRA  I. LOOK AT THE "NOTATION LIST" FOR A REFERENCE  Put the appropriate symbol next to the column headings and then put a tick or						
cross in each box of the table						
		Real	Rational	Natural	Integers	
	4.6	~	V			
	$\sqrt{3}$	V				
	-6	V	L			
	7	ν	_			
	$\frac{6}{7}$	V	~			
	$\pi$	V				
perent s	0					



## Questions on the homework?

$$p.307...$$
  $p.307...$   $p.307...$ 

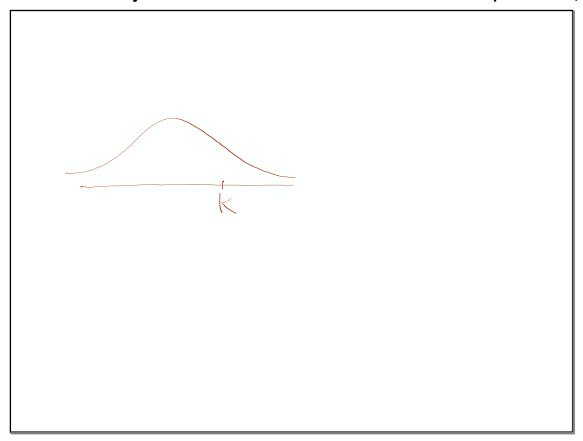
h) 
$$P(68 \le X \le 72) =$$

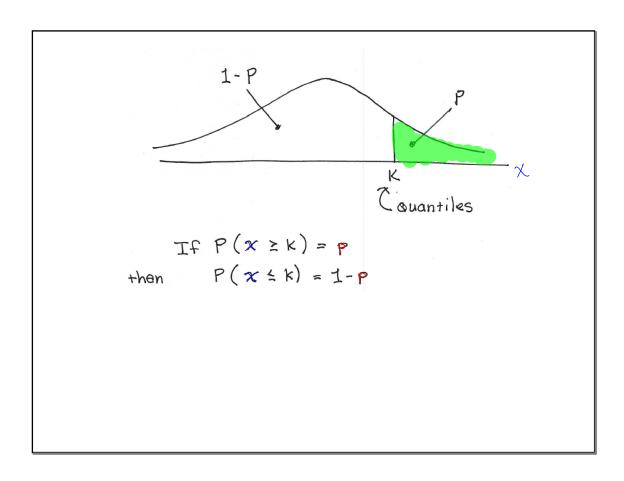


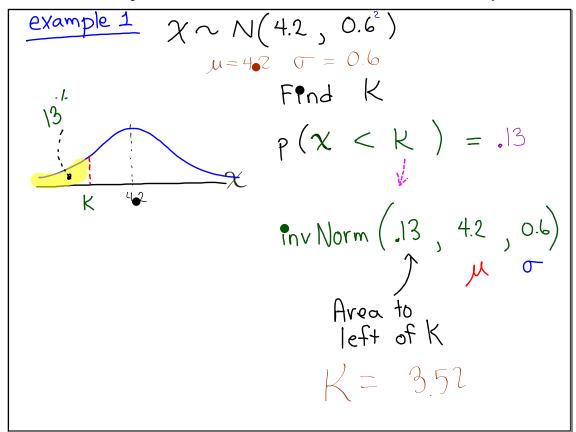
Post of 52 = 10.1 weeks

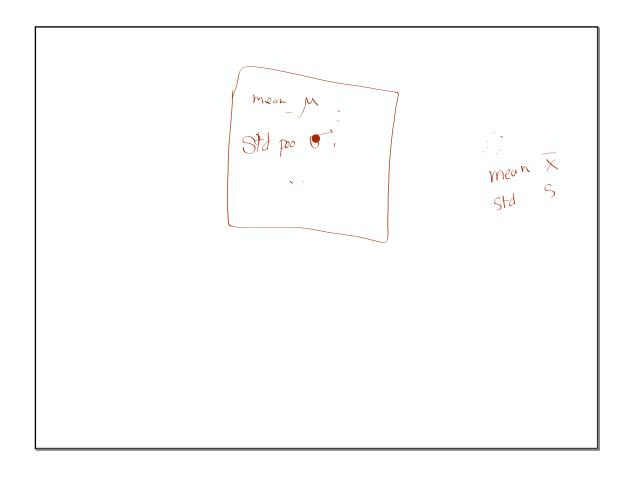
$$\mu = 40 \text{ F} = 6$$
 $\mu = 40 \text{ F} = 6$ 
 $\mu = 40 \text{ F} = 6$ 

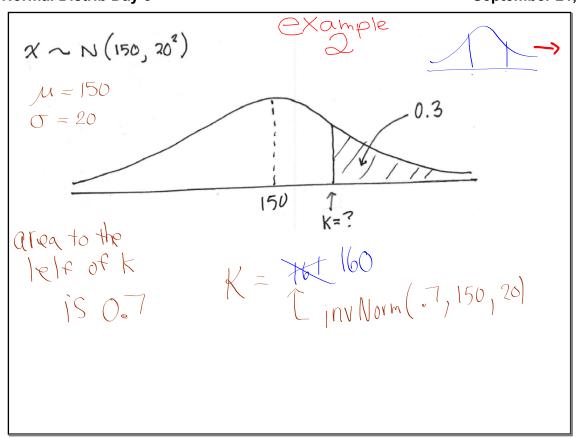
Think
Backwards
Notes

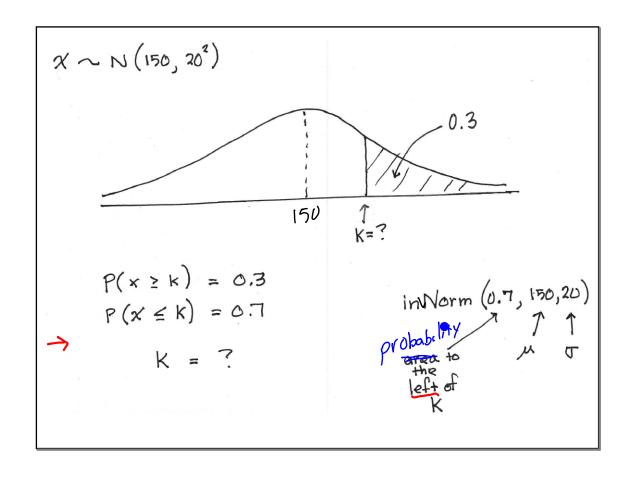












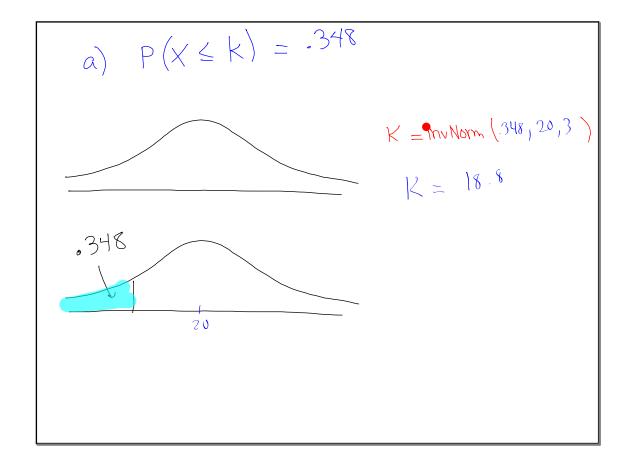
example 3
Suppose 
$$\chi \sim N(20,3^3)$$

Illustrate with a sketch and find K

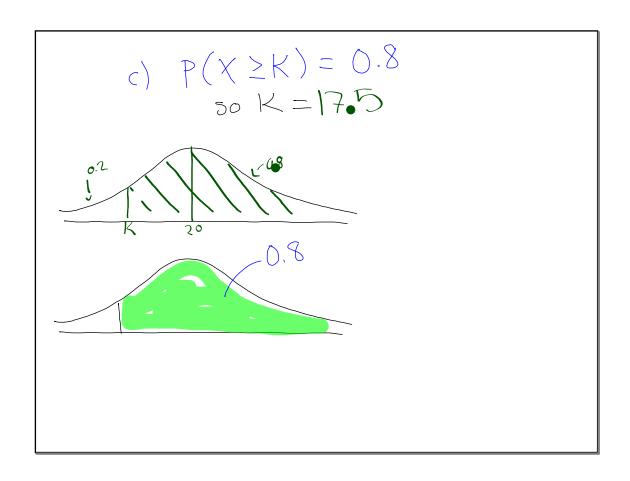
a) 
$$P(X \le K) = .348$$

$$\begin{array}{ccc} A & P(X = 1) \\ B & P(X \leq 1) = 0.9 \end{array}$$

c) 
$$P(X \ge K) = 0.8$$



b) 
$$P(X \in \mathbb{R}) = 0.9$$



## next week there will be a small quiz on Normal Distribution

(Not a large Test)

ON mox or

on Monday, we'll start a 9 day unit on Statistical Applications



