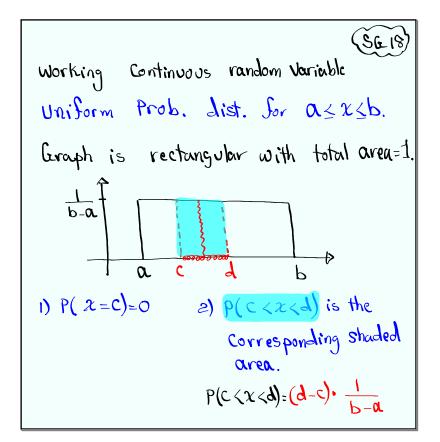
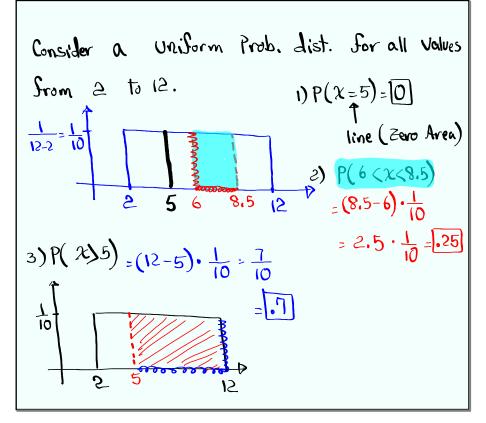
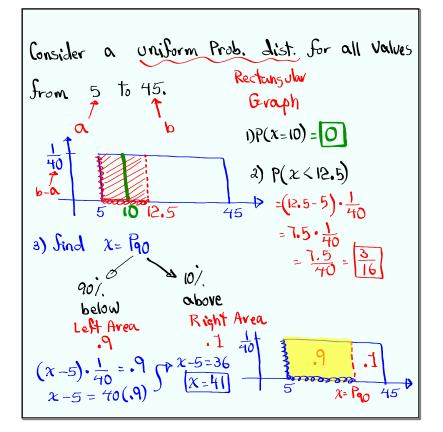


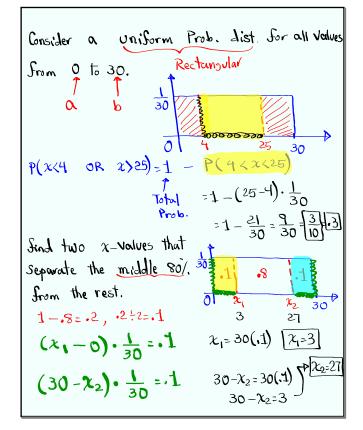
Feb 19-8:47 AM





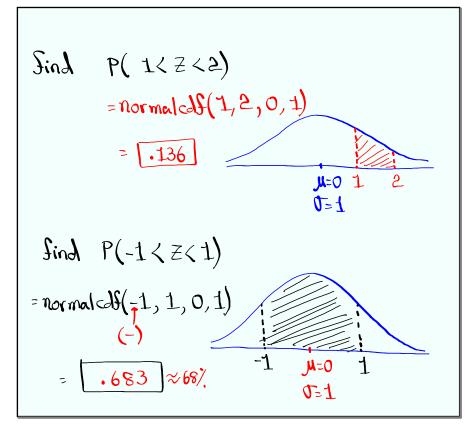
Oct 23-8:55 AM



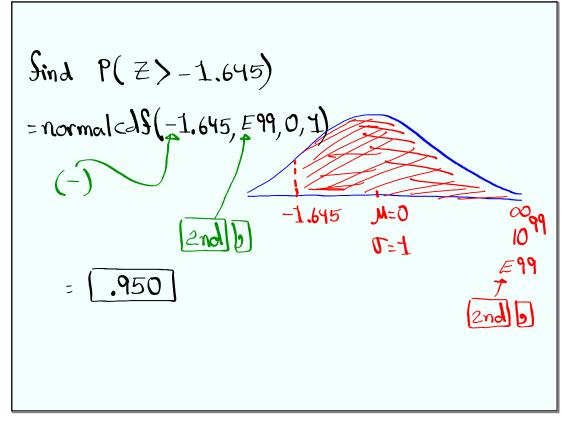


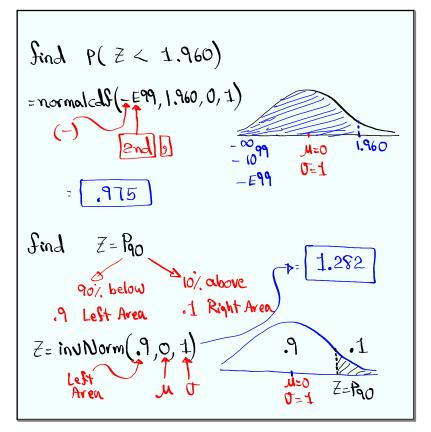
Oct 23-9:12 AM

Standard Normal Prob. dist.  
1) Use Z, P(Z=C)=O  
2) Data dist. is symmetric, bell-shape  
with total area I.  
3) Mean = Mode = Median  
4) 
$$M=O$$
,  $T=I$   
5) P( $A < Z < b$ ) is the area of the  
Corresponding region in the bell-shape  
graph.  
How to find this area?  
P( $A < Z < b$ ) is the area of the  
Corresponding region in the bell-shape  
graph.  
How to find this area?  
P( $A < Z < b$ ) is the area of the  
Corresponding region in the bell-shape  
graph.  
How to find this area?  
P( $A < Z < b$ ) is the area of the  
Corresponding region in the bell-shape  
graph.  
How to find this area?  
P( $A < Z < b$ ) is the area of the  
Corresponding region in the bell-shape  
Statement of the area of the bell-shape  
Statement of the area of the bell shape  
Statement of the area of the



Oct 23-9:29 AM





## Oct 23-9:39 AM

Consider a geometric Prob. dist with p=.9  
1) P(first Success happens on 5th attempt)  
P(x=5)=geometpolf(.9,5)  
=9E-5 = 
$$(9\times10^{-5})$$
  
2) P(first Success happens before the 4th  
attempt)  
P(x<4) = P(x<3) = geometcolf(.9,3)= [.99]

Consider a Poisson Prob dist. with the  
mean of 18 on a fixed interval.  
$$P( * of successes is not 20)$$
$$= P( x = 20) = 1 - P( x = 20)$$
$$= 1 - Poisson Pdf(18,20)$$
$$= 1 - Poisson Pdf(18,20)$$

Oct 23-9:53 AM