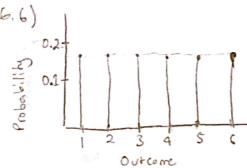
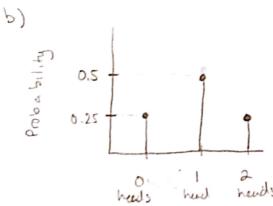
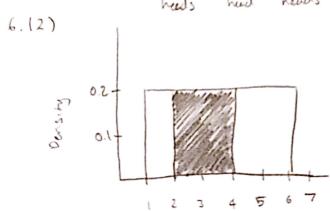
- 404 904 494
- 6.4)a) Continuous since the numbers may not be whole
 - b) Discrete since there is only a whole number count to people who have climbal to the top



6.10) a) Probability of getting 0 heads = 2. 2 = 4 2 heads = \frac{1}{2} = \frac{1}{4} 1 heed 2 1 - (2/4) 2 2/4

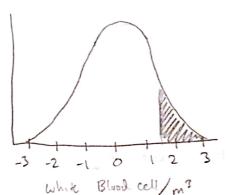




Possibility of snow being 2-4 inches 60tal Arce = 2 to 0.2 = 2 or 0.4

- 6.16)
- New Snow depth
- a) 72.5-65 = 3 = score = outher or less than 1% of Women buller than 72.5 inches V
- b) 60-65=-2 7 some 70-65 222-some Thus, since the range is ± 2 soul deviation, the poseriege or women is 95% or [1]
- 2 between 65 \$ 67.5 motes [v c) 65-67.5 -1 3 since



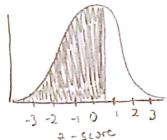


6.40) a) Probability since its asking for area of college women who have hught 68 inch or more

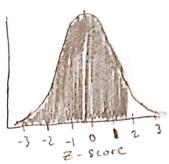
b) Inverse since it's asking for a measurement for 2% of the area.

6.44)

a) Based on 2 table, a 2 sure with lett area of roughly 0.7 is 0.53



b) Based on 2 tubb, 2-swee that gives left are of roughly 0,9500 area is 1.65



6.46) Basel on 2 table, 96th powertile is 1.76 2-Swice

$$\frac{x - 530}{100} = 1.76$$

$$\frac{x - 530}{x - 530} = 176$$

$$\frac{x}{2} = 530 + 176$$

96th peruale sure is 706

- 6.58) This is a binomial experiment as there are only 2 outcomes possible (hads 3 tails), the outcomes are independent of each other, there is a set amount of trails (I), and the possibility of each success or in this case heads is the same in each trial.
- 6.62) The model is not appropriate since while it substies three conditions, the number of trails, having only 2 outcomes, it each trail being independent of one another, it doesn't satisfy the condition that the probability of society is the same in each trail since a married man (for the first time) has an 80%. Chance of staying married making sycars while someone who is married for the second time has a 70% chance of staying married within 5 years.
- 6.64) a) n= 20 p= 0.1 x=6

 probability = b(20, 0.10, 6)

 b) n=20 p= 0.5 x=6

 probability = b(20, 0.5, 6)
- (00 × 0.9 2 00 people are expected to pass
 - b) Std dwichon 2 \((100) (0,7) (1-0.5) = 3 = 8td deviation
 - C) 90-25H devz 90-2(3) 2 84

 Therval is

 84-96 drives
 - d) No, because 89 1.88 inthe interval (84-96)