## More with Logs

3)

$$\ln (2x-5) + \ln 3 = 2.4$$

$$\ln (6x-15) = 2.4$$

$$6x-15 = e^{2.4}$$

$$8x = e^{2.4} + 15 = 4.34$$

Purchased \$600 pair of designer sneakers. The value decreases 2% per month. When will they be worth \$350,

$$\frac{7}{12} = 0.98^{t}$$

Measures of Central Tend

Measures of Vanation

Range, IQR, Stand. dev

2 = 100th 101th

2 = 12.5 = 13th

3 = 11th 12th

3 = 11th 12th

## WORMAL DISTRIBUTION $Z = \frac{x - \mu}{\sigma}$ M CDL test - Mean = 76 = 4 What % of people fall between 73 + 78? $Z = \frac{73 - 76}{4} = -0.15$ % 0.2734 Bottom 60% do not get a license. What is cutoff score? 4. 0.25 = X-76 = X - 76

Permutations Combinations  All n!  Vie part n Pr  Alike total:  Combinations  n Cr  Vie part n Pr  Alike dik!  Specific positions/  Yepeat
PROBABILITY  Combinations  Indiv. Fraction  Binomial  2 possible addomy  fail  No order  3) Dependenden!  20 pitches =  Prob (hil at loss 18)
Prob(2 snowlers one 2 gruys) $C_2 + C_2 - C$ $C_2 + C_3 - C$ Subtract  Signature  Prob(hil et bos) $C_2 + C_3 - C$ $C_2 + C_3 - C$ $C_3 - C$ $C_4 + C_5 - C$ $C_4 + C_5 - C$ $C_5 - C$ $C_5$
Prob Tree  P(M15) = P(M5)  Road  P(S)

