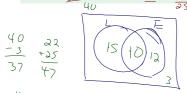
- G) In a group of 40 students, 22 study Economics, 25 study Law, and 3 study neither of these subjects. Determine the probability that a randomly chosen student studies:
 - a both Economics and Law 10/40 b at least one of these subjects 37/40 t Economics given that he or she studies Law.



47-37 = 10

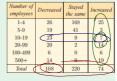
A group of businesses were asked whether they had increased or decreased their number of employees in the last year.

a Find the probability that a business with 10-19 employees grew in the

- wath 10-19 employees grew in the previous year.

 b Find the probability that a business that increased in size had 10-99 employees.

 c Find the probability that a randomly selected business decreased in size over the previous year.



108+220+74 108

H) Use the following letters to fill in Venn Diagram: N, R, Z, Q



N= Natural R = Reals Z = Integers Q= Rationals

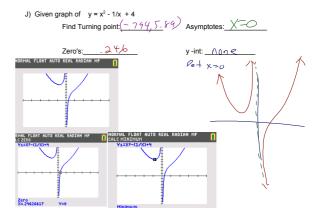
- 1) For the data set given, find using technology: Q3-01-9
- 1) STAT -> EDIT (entered data) a) StaT → CALC → IVAR STAT

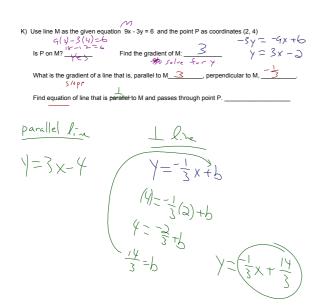


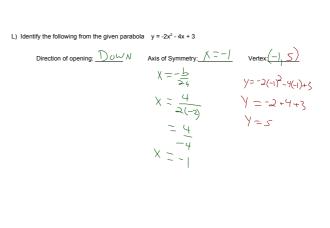
NORMAL FLOAT AUTO REAL RADIAN MP maxX=28

Find, using your calculator, the mean and standard deviation of these sets of data: $a \quad 117, 129, 105, 124, 123, 128, 131, 124, 123, 125, 108$









M) Given triangle MNO

Find MN: $\frac{22.2}{N}$ Find Area of triangle MNO: $\frac{74.8}{N}$ Area = $\frac{1}{2}$ G bsin (

Area = $\frac{1$ L. O.C.

$$X^{2}=12^{2}+14^{2}-2(12)(14) \cdot 05117$$
 $X = \sqrt{462.54-}$
 $X = 22.19$

N) Solve for x $20 (5)^x = 100$

$$5^{\times} = 5$$

$$P_{n} 5^{\times} = l_{n} 5$$

$$\times l_{n} 5 = l_{n} 5$$

$$= l_{n} 5$$

$$= l_{n} 5$$

$$= l_{n} 5$$

$$= l_{n} 5$$

O) Find the measure of <A Tan A = 38