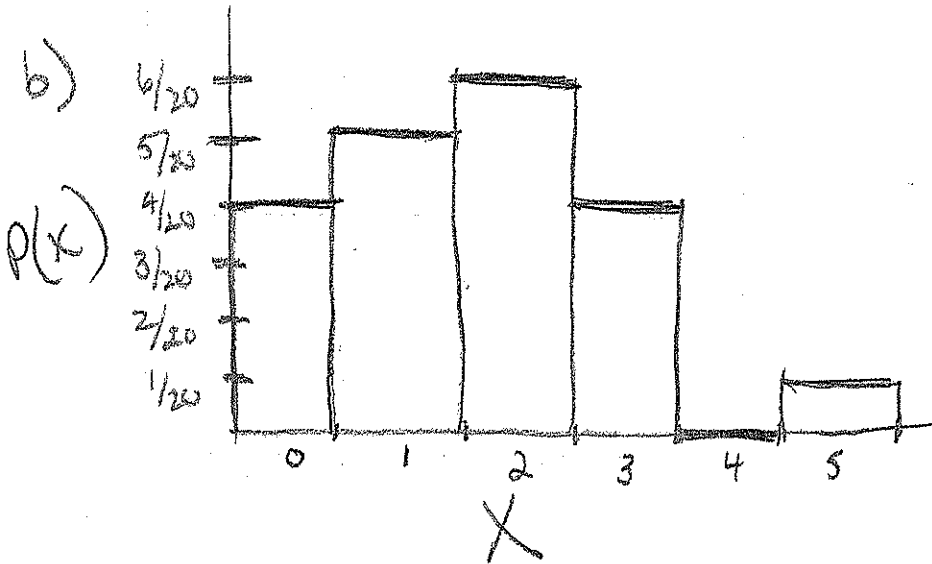


# Accel Math III HW PW Lesson #2 Prob Distrib's

Total = 20 days

①

X	0	1	2	3	4	5
P(X)	4/20	5/20	6/20	4/20	0/20	1/20



② Total = 144

Percentages

1) Reason for dropping a college course.

$$45/144 = .3125$$

Not a random variable (number not assigned)

$$40/144 = .2778$$

2) 144

$$20/144 = .1389$$

3) see →

$$14/144 = .0972$$

4)  $P(\text{student drops b/c illness}) = .2778$

$$9/144 = .0625$$

$P(\text{" " " money}) = .0486$

$$7/144 = .0486$$

$P(\text{" " " change of major}) = .0972$

$$6/144 = .0417$$

$$3/144 = .0208$$

5) No, X is not a probability distribution.

~~✗ ✗ ✗~~ 9) Since  $\sum P(X=x) = 1$  and  $0 \leq P(X=x) \leq 1$ , the requirements are met (but it is not a prob dist)