Probability Worksheet #8 October 10, 2018 2 Points

Circle	one	name.
CHUE	OHE	name.

Name:	Name:	Name:
Note: $P(E F) = \frac{\text{size of}}{\text{size}}$ It is also true that $P(E $	$\frac{E \cap F}{\text{of } F}.$ $F) = \frac{P(E \cap F)}{P(F)}.$	
[0,70]. Let E be the event	chosen at random from the same that the point is in the interval that the point is in the interval	
(a) Determine $P($	(E F).	
(b) Determine P((F E).	
	random. Let E be the event that	te, and either round or pointy. A at the bead is blue. Let F be the
(a) If there are 10	00 pointy beads and 35 blue point	ty beads, determine $P(E F)$.
(b) If there are 10 pointy beads.	00 pointy beads and $P(E F) = 1$	1/4, determine the number of blue
(c) If $P(E F) =$ pointy beads.	1/5 and there are 100 blue point	y beads, determine the number of

3. A jar contains beads which are either blue or white, and either round or pointy. There are 200 beads total, with 40 of them being pointy.

	Round	Pointy	Total
Blue			
White			
Total		40	200

Suppose that:

P(Bead is White|Bead is Round) = 1/8, and

P(Bead is Blue|Bead is Pointy) = 3/20.

Fill in the table.