

## Vector Draft

Physics 432

Name \_\_\_\_\_

1 2 3 4 5 6 7 8

The vector draft is a group activity where you and your group choose vectors so that when added together, your vectors will have the smallest resultant. A perfect score would be a displacement of 0 meters.

-----

### Vector Draft Rules

- 1- You must choose a name for your team that uses your team color.
  - 2- You must choose a team of vectors so that, when added, you have the smallest resultant.
  - 3- Your team will start with two random vectors to start.
  - 4- There are five rounds in which you will choose an available vector from the draft list.
  - 5- You must choose an available vector each round.
  - 6- You will have one minute to announce your choice at your turn.
  - 7- There will be a two minute preparation period between each class round of choosing.
  - 8- Final decisions are made by the teacher regarding any conflicts that arise.
- 

### Scoring:

After the final vector, each team will have their total amount announced. The results will be based on this final announcement.

Extra Credit: you may earn two points of extra credit by designing a logo for your vector draft team. This logo must be in color, and must reflect effort. You must email a copy of this logo to your teacher for it to be worth points.

	Mag.	@	Angle
1	10	@	150
2	20	@	45
3	30	@	240
4	40	@	-30
5	50	@	-225
6	5	@	60
7	10	@	-150
8	15	@	-45
9	20	@	120
10	1	@	30
11	2	@	-135
12	3	@	-60
13	4	@	150
14	5	@	45
15	21	@	-120
16	22	@	-30
17	23	@	45
18	45	@	150
19	5	@	-60
20	15	@	-135
21	25	@	30
22	35	@	120
23	45	@	-45
24	55	@	-150
25	10	@	60
26	11	@	135
27	12	@	-30
28	13	@	-120
29	14	@	45
30	15	@	150
31	31	@	-60
32	32	@	-135
33	33	@	-120
34	34	@	-30
35	35	@	135
36	36	@	60
37	2	@	30
38	4	@	-135
39	6	@	-60
40	8	@	150
41	10	@	-45
42	13	@	-120
43	5	@	N
44	10	@	S
45	15	@	E
46	20	@	W
47	20	@	N
48	15	@	S
49	10	@	E
50	5	@	W
51	16	@	N
52	20	@	S
53	8	@	E
54	14	@	W
55	6	@	N
56	18	@	S

The vectors at left are available to be chosen in the vector draft. Once a vector is chosen, it may not be used by any other team. All choices are final, and vectors may not be traded.

-----  
 Show your work below:

Pre-Draft Vectors-

Round 1 Vector-

Round 2 Vector-

Round 3 Vector-

Round 4 Vector-

Round 5 Vector-

