Vector Form conversions A For problems 1-6,

Determine the components of each vector.
Use the following sign convention:

-

30 N 50°

② .

12N 7

3

15°/50N

69(4)

95

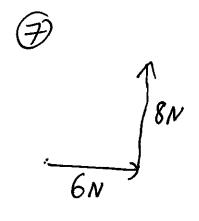
0

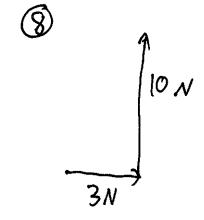
80N

19N 15

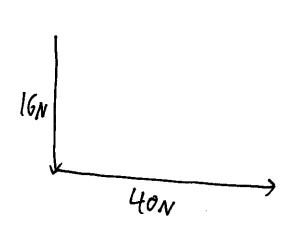
300

For Problems 7-10,
Write the vector in terms of
Magnitude and direction





9 48N 12N



Notation of component a form:

This rector has a x-component of +4.

How do you write this? There are several options!

-Mutrix Notation:
$$\nabla = [3, 4]$$
 or $\begin{bmatrix} 3\\ 4 \end{bmatrix}$

- Unit vector notation! V=31+43

The x-component appears in front of 1 and the y-component appears in front of 3.

- O rdered -pair notation \vec{v} = (3,4)

- Javascript Object Notation
$$\vec{v} = \{\vec{x}'' : 3, y'' : 43\}$$

Of these, in physics, the most commonly used is Unit vector notation.

Therefore, the write your answer that my 12=31+43