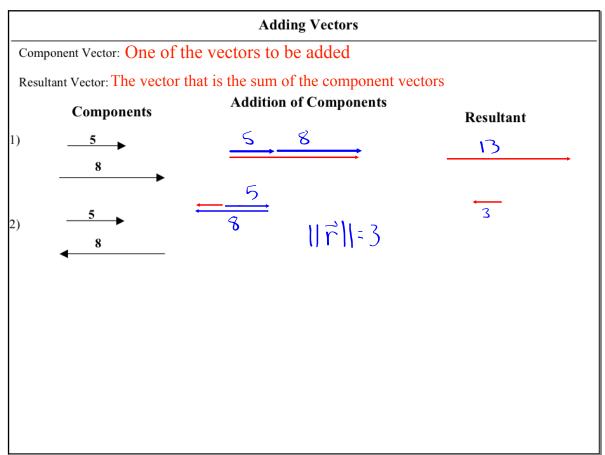
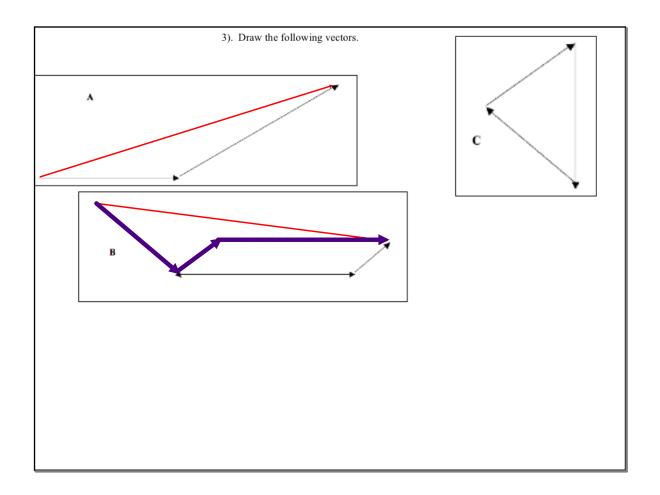
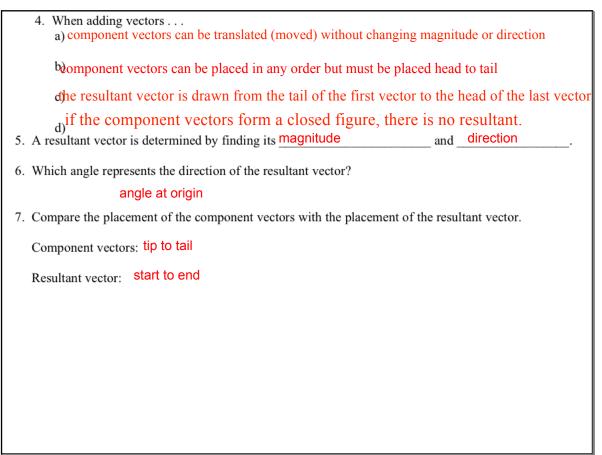
## January 7, 2020

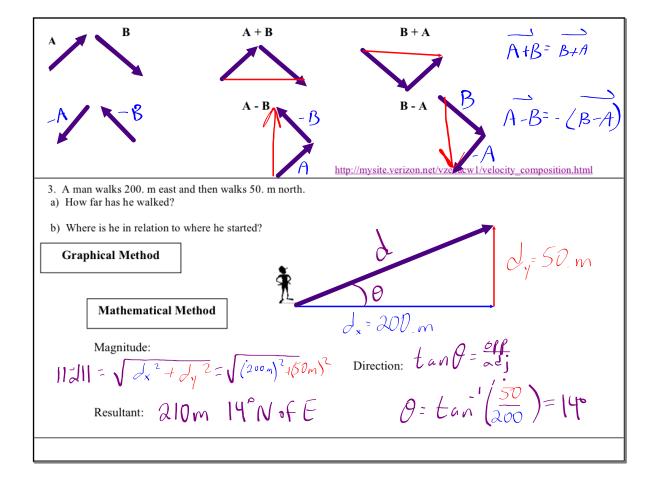
Vectors and Two Dimensional Motion           Name some vector quantities           Position, velocity, acceleration, (force)	
Attributes (general characteristics) of a vector	
1. magnitude	2. direction
Represented by length	Represented by angle
Drawing Ve	ctors
<ol> <li>Draw a frame of reference if needed and choose a</li> <li>scale Mark angle with protractor</li> <li>Draw vector to scale with arrowhead</li> </ol>	

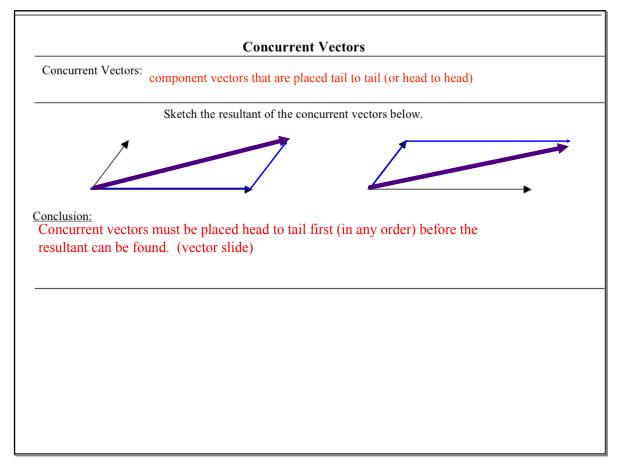
Draw the following vectors. State the scale used.	
1. A plane flies at 200 m/s, $65^{\circ}$ north of east.	2. A dog walks east for 20. m.
	CP-B
	3. A box is dragged with a force of 30. N at an angle of 20. <sup>0</sup> with the horizontal.
0	

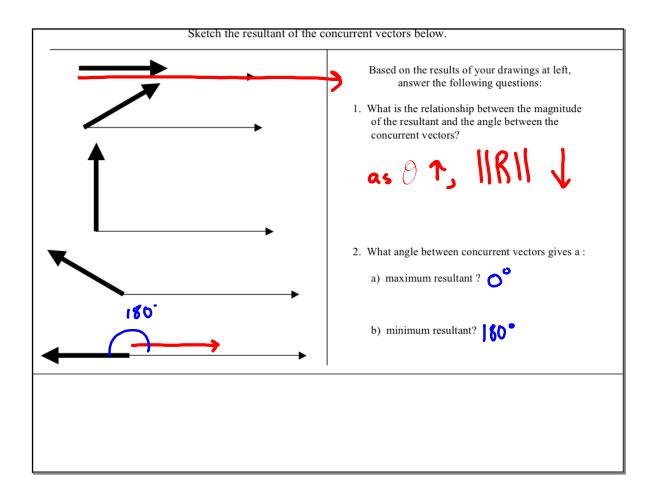












 Two forces of 12 N and 4 N act concurrently on an object. What are the possible values for the resultant force? Sketch vector diagrams to support your answer. http://www.walter-fendt.de/ph11e/resultant.htm http://physics.bu.edu/~duffy/java/VectorAdd.html

