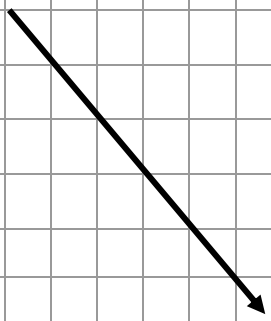
NAME:_____ **DATE:** _____ **PD:** ___
PHYSICS - Mr. Smith

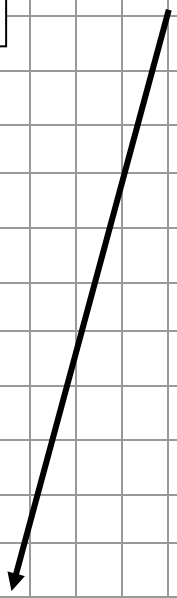
VECTORS WORKSHEET #2

Resolve each vector into its **x** and **y** components, and determine the magnitudes of these components.
USE A RULER! Use a PROTRACTOR! Use PYTHAGORAS! NEATNESS COUNTS!!
For this entire worksheet, assume all are force vectors, and use the scale: 1.0 cm = 1.0 N

1

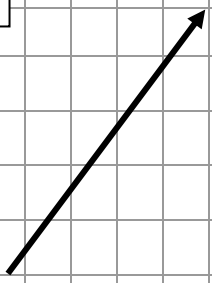


2



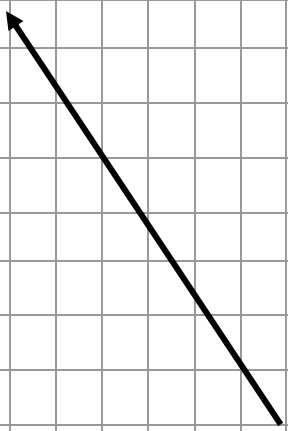
3

4



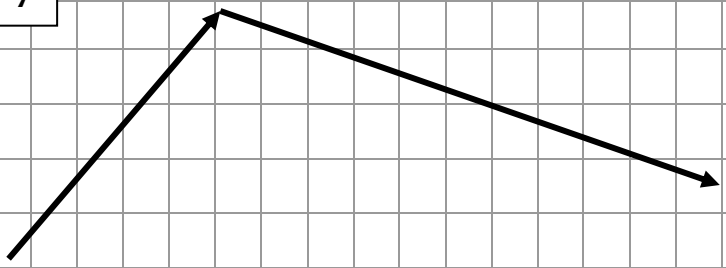
5

6

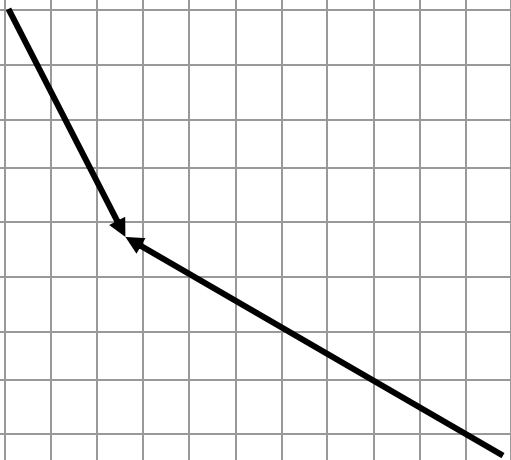


Draw and label the resultant vector **R** for each of the following sets of vectors. Determine the magnitudes of **R** and the direction (state the angle relative to the + x-axis, the vertical, or the horizontal). USE A RULER! Do NOT USE A PROTRACTOR! USE TRIGONOMETRY! NEATNESS COUNTS!!

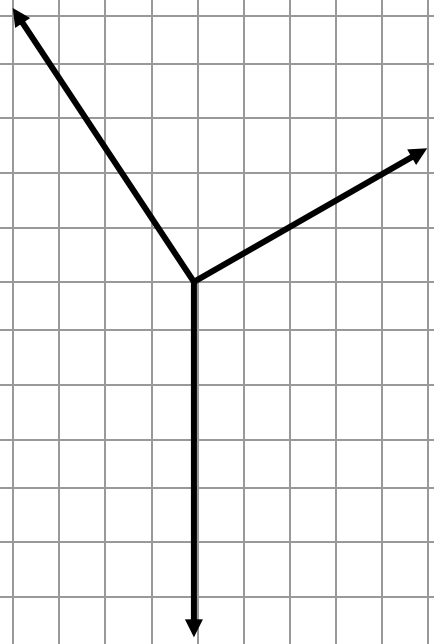
7



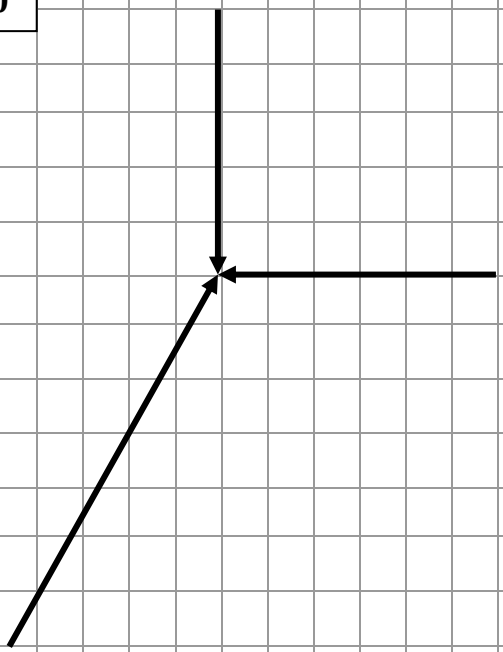
8



9



10



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