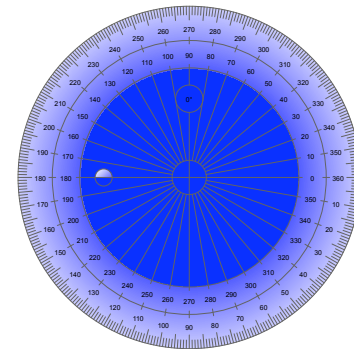
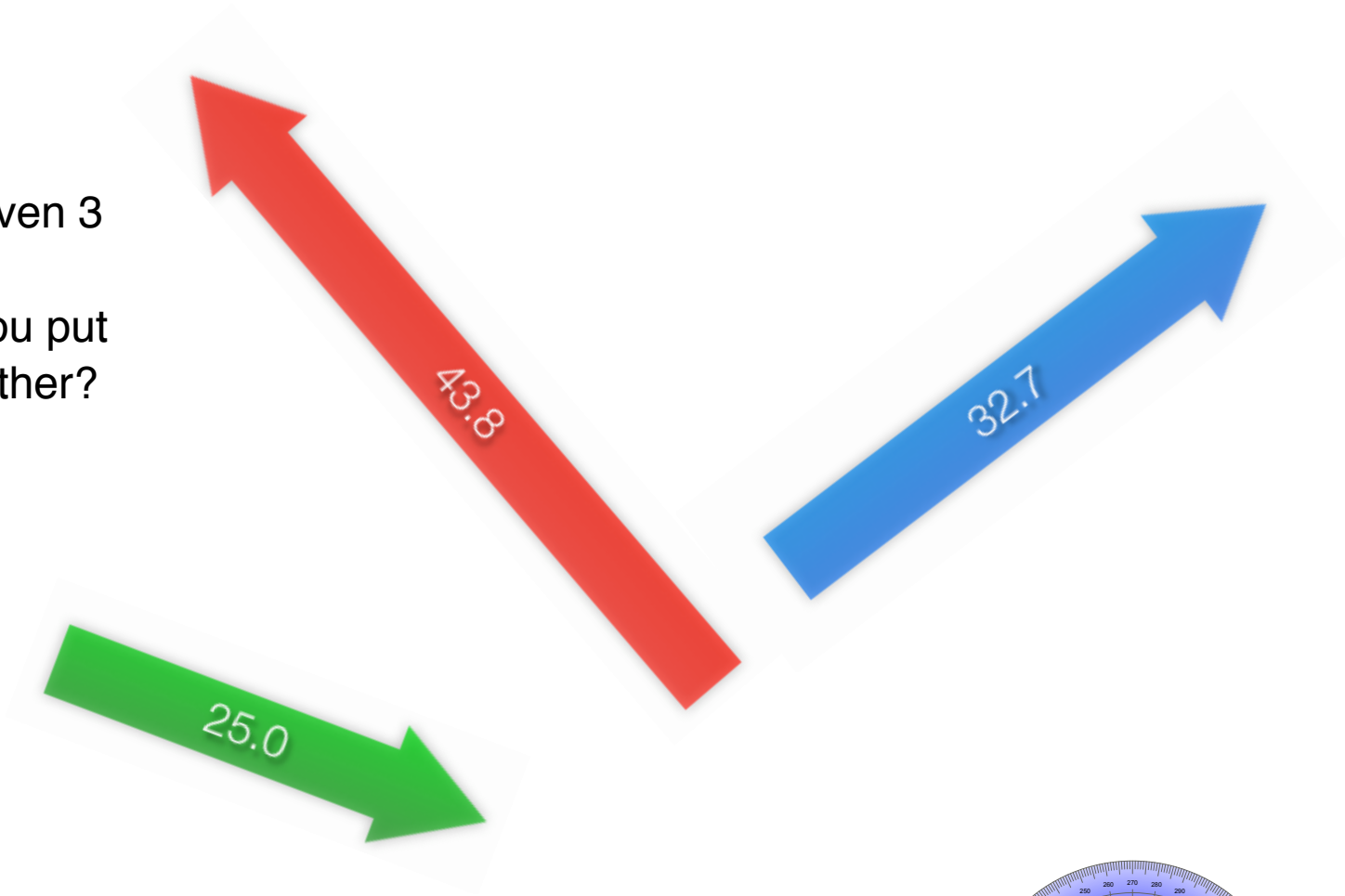
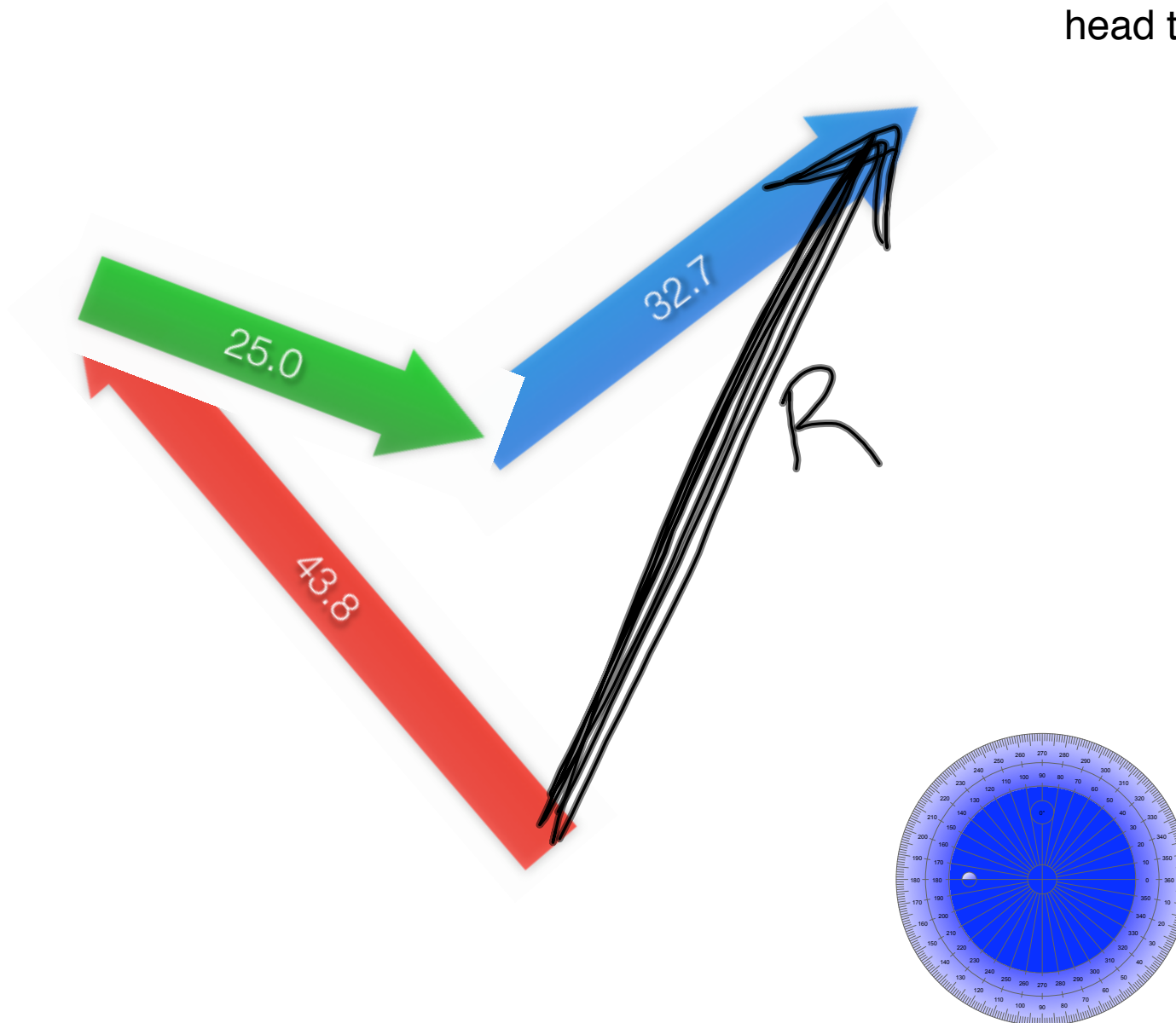


vector examples

you are given 3
vectors.
How do you put
them together?



head to tail?

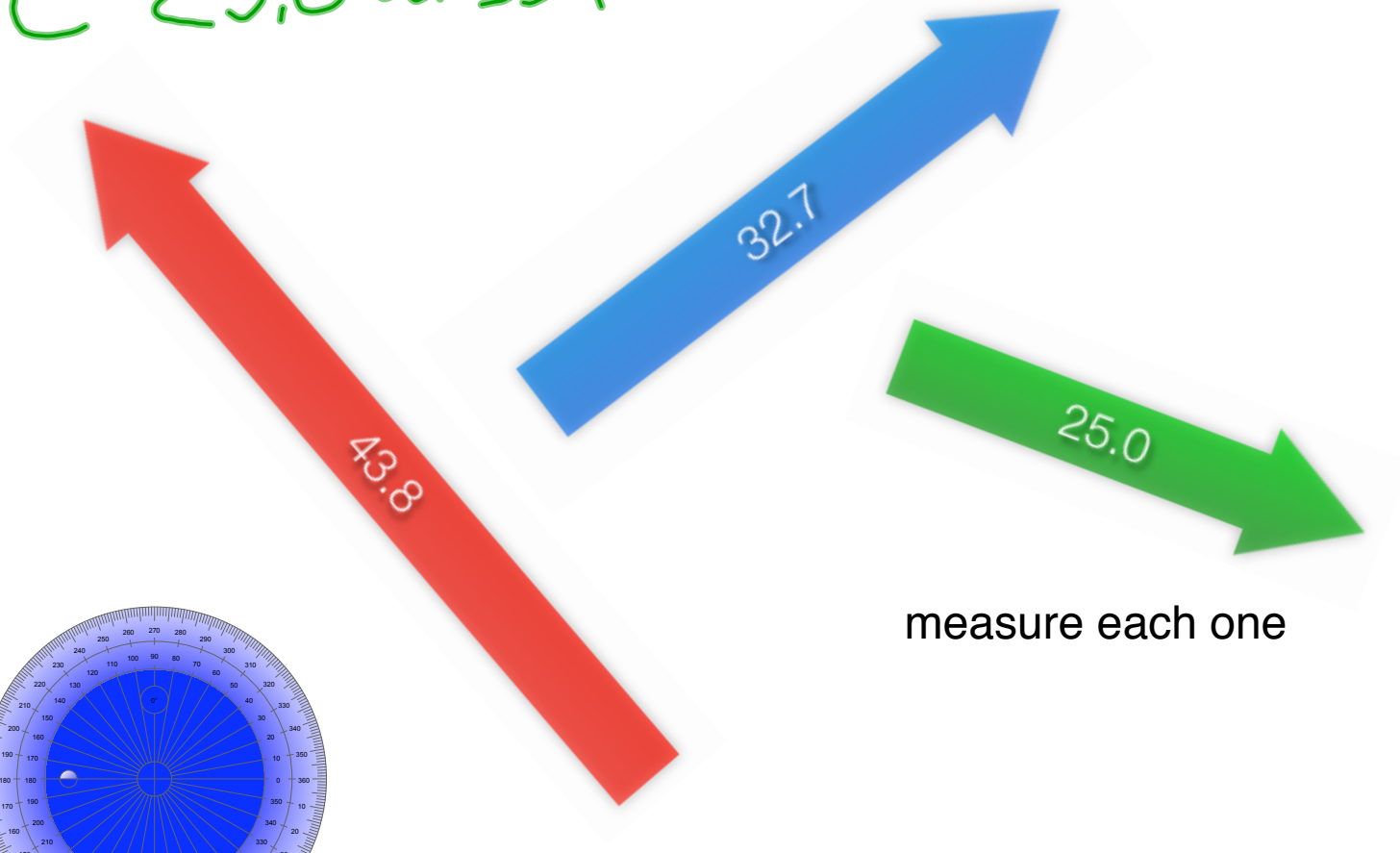


vector examples

$A = 43.8$ at 130°

$C = 25.0$ at 339

$B = 32.7$ at 37°



measure each one

$$A_x = 25.7$$

$$A_y = 20.1$$

$$B_x = 23.5$$

$$B_y = -8.5$$

$$C_x = -27.8$$

$$C_y = 33.5$$

$$\hline 21.4$$

$$\hline 45.1$$



Chapter 1

- 15, 16, 18, 22

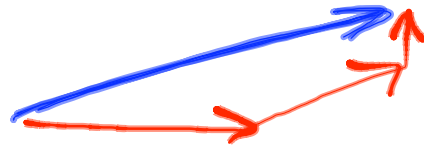
- 23, 26, 27

- 36, 37, 47, 53

|

vector examples

sample problem
chapter 1 # 45



$$\bar{A} = 5.0\text{m, at } 0^\circ$$

$$\bar{B} = 2.1\text{m, at } 20^\circ$$

$$\bar{C} = 0.5\text{m, at } +90^\circ$$

$$B_x = 2.1 \cos 20^\circ$$
$$1.97$$

$$B_y = 2.1 \sin 20^\circ$$
$$0.72$$

sample problem
chapter 1 # 45

$$\begin{array}{r} a_x = 5 \quad a_y = 0 \\ B_x = 1.97 \quad B_y = 0.72 \\ C_x = 0 \quad C_y = 0.5 \\ \hline 6.97 \quad 1.22 \end{array}$$



$$7.08, \text{ at } 9^\circ \\ \text{m}$$