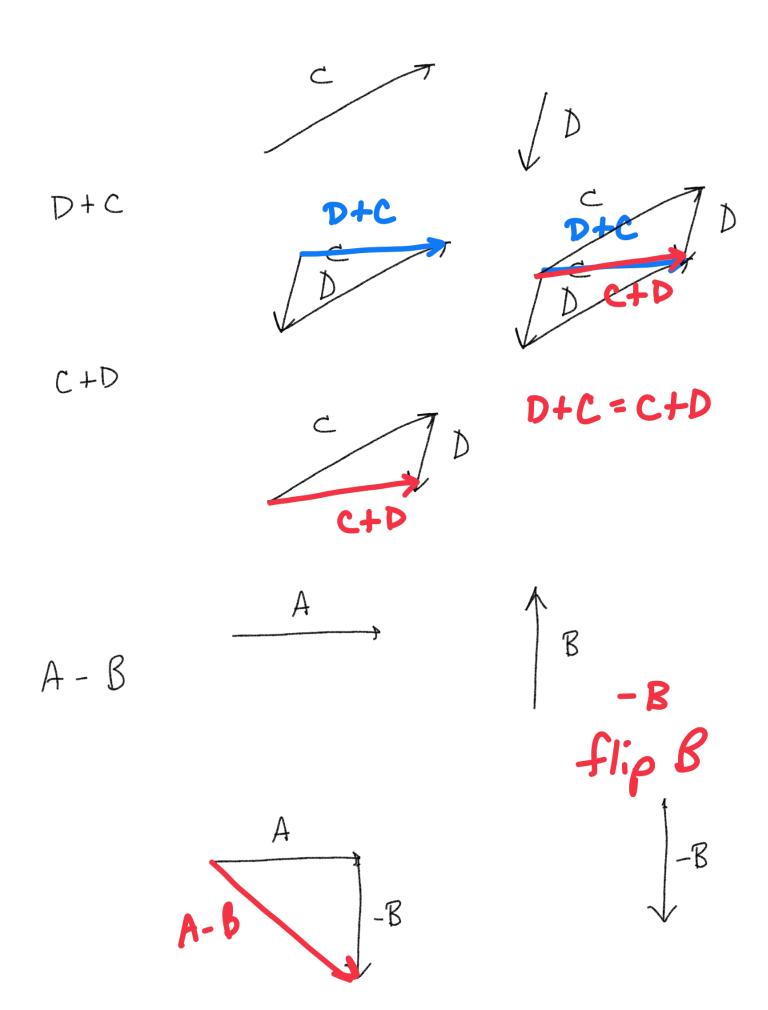
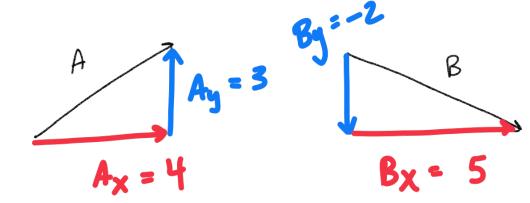
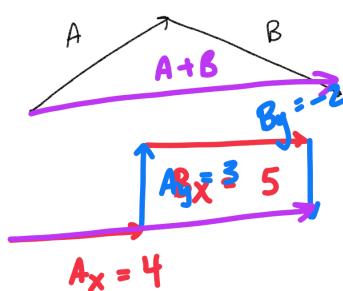
TH-6P General Physics Week 14 1/4 Nate is infinitely afraid height of the Bunyan. Given the diagram, how tall i He diagram, how tall is the Bunyan tan 0= adj (tan 50)= (h) 80 h = 80 (tan 50°) = 95.3ft

Nate is spreading birthday joy with his Enfetti lip n'dot 60+ Cannon. It he rains joy trom a 60ft tall building with distance of 90ft away, what is the it is cannon from the building 90ft angle of the tan 0 = 40 0 = tan (90) [56.3°] Regular . Coordinates Polar Coordinates (Γ, Θ) (8,70°)(2.73, 7.51) 0=70 y X = r cos O y=rsm 0 y = 8 sin 70 X = 8 cos 70 $Cos \theta = \frac{x}{r}$ X=rcost y= 7.51 X = 2.73

Polar Coordinate - Rectangular (4, 135°) — (x,y) () 4,135° X = r cos O 4 cos (135) = -2.8 (80° < y= 4 sin 135°= 2.8 (-2.8,2.8) Add from head A + B





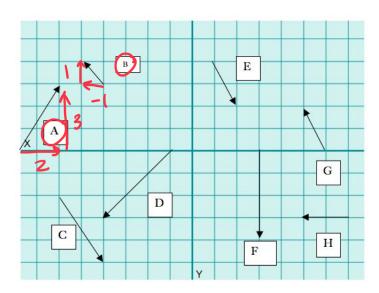


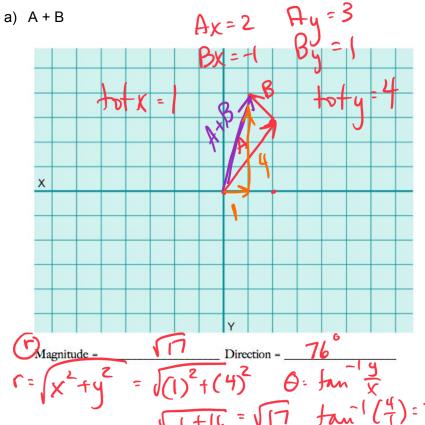
$$Ay = 3 By = -2$$

$$Ay + By = 1$$

7.) Which of the following are vector quantities and which are scalar quantities?(a) your age (b) acceleration (c) velocity (d) speed (e) mass

8.) Given the following vectors, create head to tail models and find the resultant magnitude and direction. the arrows are not perfect but use the corner that they are closest to





X