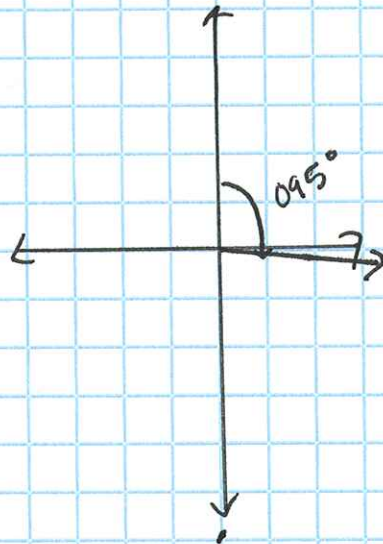
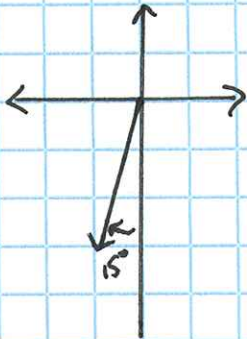


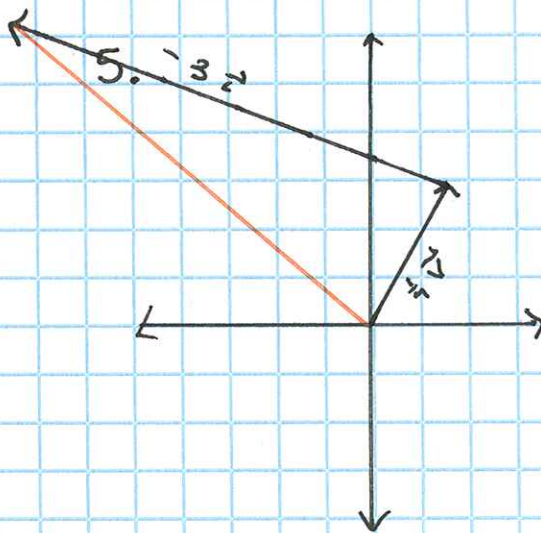
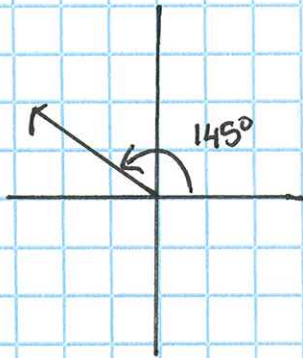
8-1 review WS

1. a 4 times magnitude 2. a 5 cm 3. a same magnitude opposite direction

4. a) $S 15^\circ W$ ~ Quadrant Bearing b) true bearing 095°

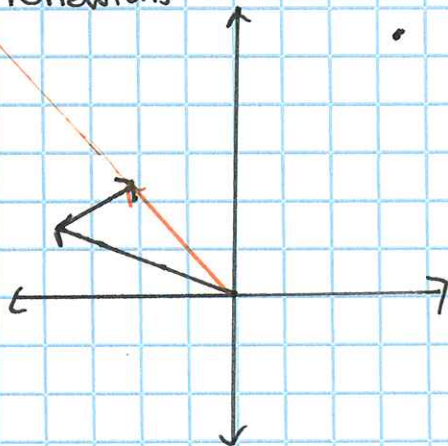


c. standard bearing



6.1 cm
310°

6. let 1 cm = 10 newtons

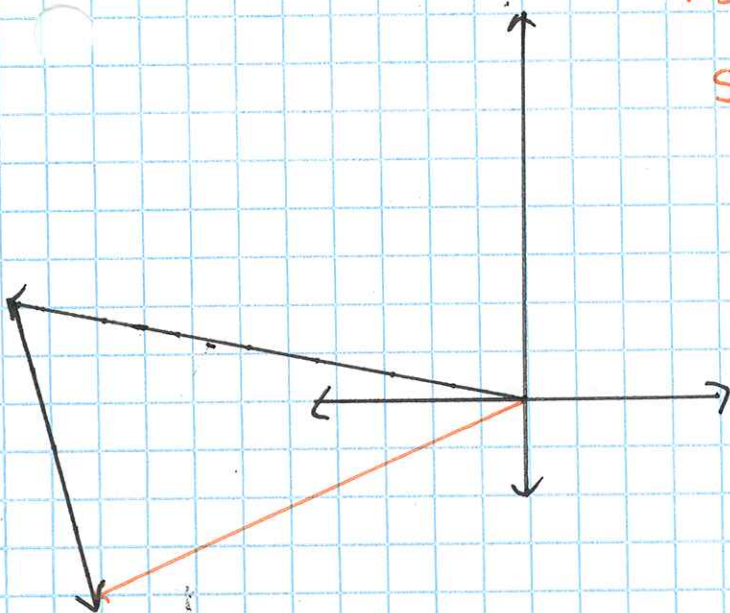


2 cm = 20 newtons
133°

7. let 1 cm = 5 nautical miles

$$7.3 \text{ cm} \times 5 = 36.5 \text{ nautical miles}$$

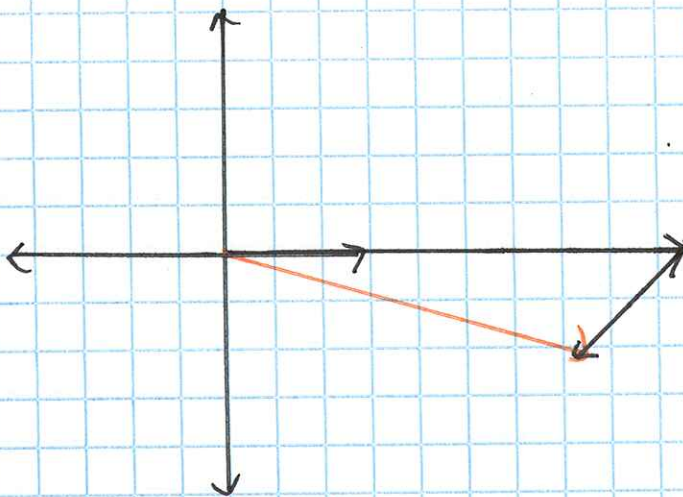
566° W



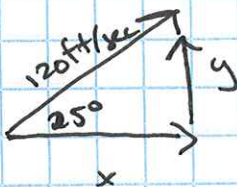
8. let 1 cm = 50 knots

$$4.8 \times 50 = 240 \text{ knots}$$

106°



9.



$$\cos 25 = \frac{x}{120}$$

108.756 ft/sec
horizontal

$$\sin 25 = \frac{y}{120}$$

50.714 ft/sec
vertical