

Answers from Hw (Area of a Triangle)

17 a) 42.1 m^2

b) 18.2 m^2

c) 104.1 m^2

18. a) 60.4

b) 42.1

c) 429.2

19. 20140.3 km^2

20. 6.6 m^2

21. 390.3 cm^2

22. \$884.21

23. 1.55 m^2

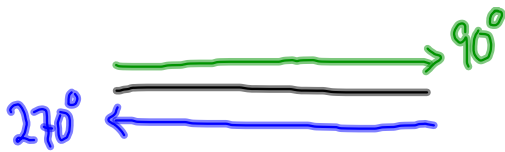
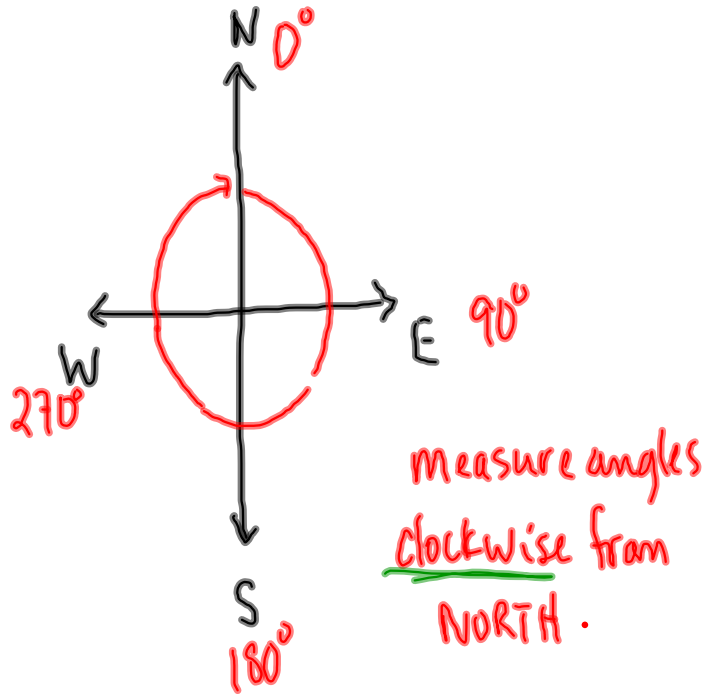
24. 38.0 cm^2

25. $\theta = 65^\circ$

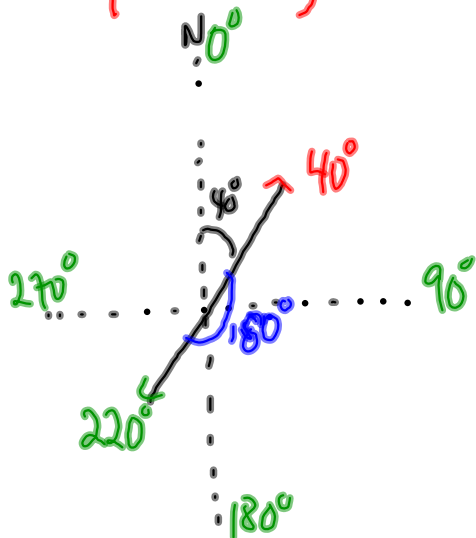
26. $OP = 14.5$

Azimuth

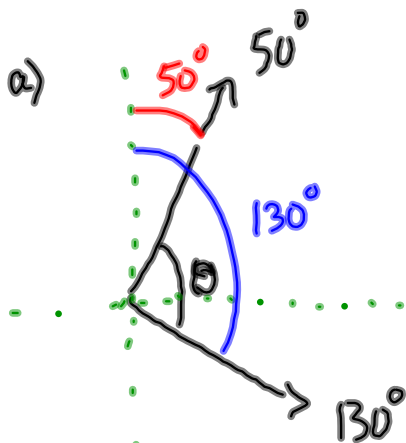
Refers to the measure of an angle relative to magnetic north.



Two possible azimuths for every line.

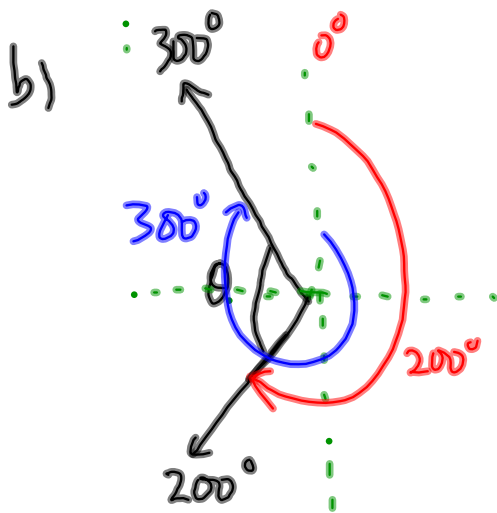


Example



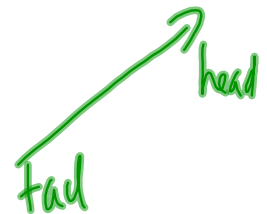
$$\theta = 130^\circ - 50^\circ$$

$$\theta = 80^\circ$$



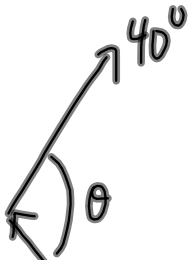
$$\theta = 300^\circ - 200^\circ$$

$$\theta = 100^\circ$$



The arrows are "tail to tail" in both these examples

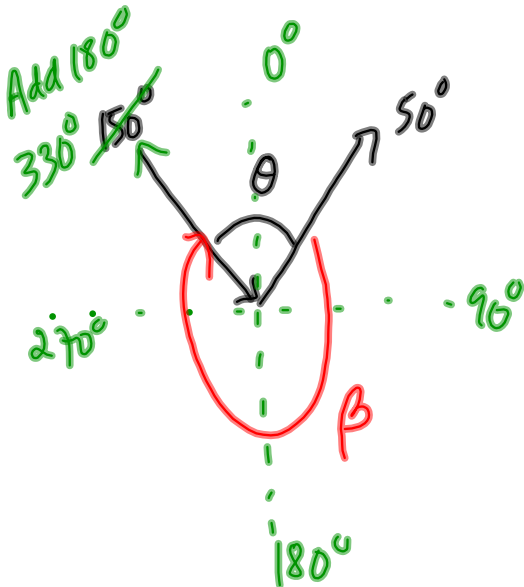
Example



$$\theta = 110^\circ - 40^\circ$$

$$\boxed{\theta = 70^\circ}$$

Subtract \rightarrow ~~270~~
180° 110°



$$\beta = 330^\circ - 50^\circ$$

$$\boxed{\beta = 280^\circ}$$

$$\theta = 360^\circ - \beta$$

$$\theta = 360^\circ - 280^\circ$$

$$\boxed{\theta = 80^\circ}$$

* See Also Book: p253-254