

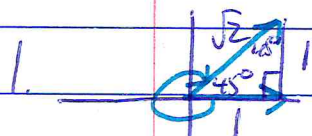
ALG 2

Ch 13 / Trig Unit

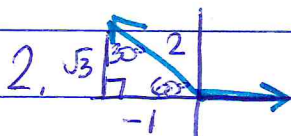
Sec 13.2

Worksheet
Part 1MONDAY
CLASSWORK
w/ SUB

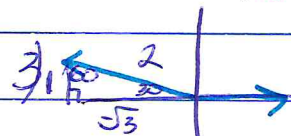
p. 182



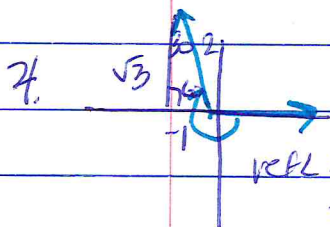
$$\text{ref } L = 360 + -315 = 45^\circ$$



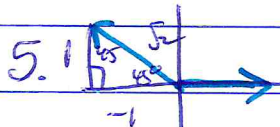
$$\text{ref } L = 180 - 120 = 60^\circ$$



$$\text{ref } L = 180 - 210^\circ = 30^\circ$$



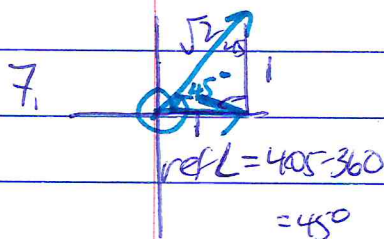
$$\text{ref } L = -180 - 240^\circ = 60^\circ$$



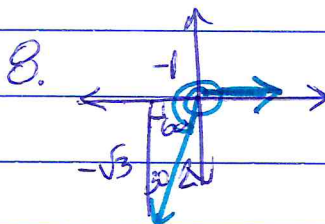
$$\text{ref } L = 180 - 135 = 45^\circ$$



$$\text{ref } L = -300 - 360 = 60^\circ$$

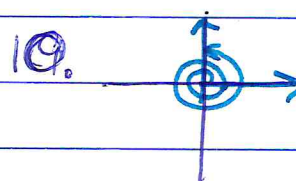


$$\text{ref } L = 405 - 360 = 45^\circ$$



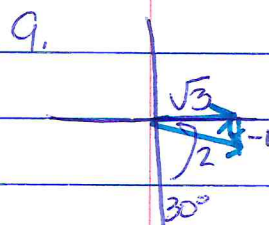
$$\text{ref } L = 600 - 360$$

$$\text{ref } L = 240 - 180 = 60^\circ$$



no ref L

no ref Δ



$$\text{ref } L = 0 - 30^\circ = 30^\circ$$

Part 2

$$11. \sin A = \frac{120}{130} = \frac{12}{13} \quad \sin B = \frac{50}{120} = \frac{5}{12}$$

$$\cos A = \frac{50}{130} = \frac{5}{13} \quad \cos B = \frac{120}{130} = \frac{12}{13}$$

$$\tan A = \frac{120}{50} = \frac{12}{5} \quad \tan B = \frac{50}{120} = \frac{5}{12}$$

$$12. \sin A = \frac{10\sqrt{2}}{20} = \frac{\sqrt{2}}{2} = \cos B$$

$$\cos A = \frac{10\sqrt{2}}{20} = \frac{\sqrt{2}}{2} = \sin B$$

$$\tan A = \frac{10\sqrt{2}}{10\sqrt{2}} = 1 = \tan B$$

$$13. \sin A = \frac{42}{58} = \frac{21}{29} \quad \sin B = \frac{40}{58} = \frac{20}{29}$$

$$\cos A = \frac{40}{58} = \frac{20}{29} \quad \cos B = \frac{42}{58} = \frac{21}{29}$$

$$\tan A = \frac{42}{40} = \frac{21}{20} \quad \tan B = \frac{40}{42} = \frac{20}{21}$$

$$14. \sin A = \frac{30}{34} = \frac{15}{17} \quad \sin B = \frac{16}{34} = \frac{8}{17}$$

$$\cos A = \frac{16}{34} = \frac{8}{17} \quad \cos B = \frac{30}{34} = \frac{15}{17}$$

$$\tan A = \frac{30}{16} = \frac{15}{8} \quad \tan B = \frac{16}{30} = \frac{8}{15}$$

$$15. \sin A = \frac{18}{82} = \frac{9}{41} \quad \sin B = \frac{80}{82} = \frac{40}{41}$$

$$\cos A = \frac{80}{82} = \frac{40}{41} \quad \cos B = \frac{18}{82} = \frac{9}{41}$$

$$\tan A = \frac{18}{80} = \frac{9}{40} \quad \tan B = \frac{80}{18} = \frac{40}{9}$$