Day 2 HW

Sunday, February 22, 2015 12:47 PM

p. 511: 29-34, 41, 42, 45

29 < 16.31,7.61> 30 < 8.03, 11.47> 31 < -14.52, 44.70>

 $32 < -23.72, 22.92 > 33 |v| = 5, \theta = 53.13° 34 |v| = <math>\sqrt{5}$, $\theta = 116.57°$

(41) <-223.99,480.34> (12) <79.88,-453.01> (15) <3.42,9.40>

$$\sin 25^\circ = \underline{y} \implies y = 7.61$$

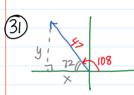
$$< 16.31, 7.617$$
 < 16.31



$$Sin55 = \underline{y} \Rightarrow y = 11.47$$

$$\cos 55 = X \Rightarrow X = 8.03$$

<8.03,11.47>

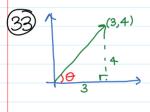


 $\sin 72 = y \Rightarrow y = 44.70$

$$\cos 72 = \underbrace{X} \Rightarrow X = -14.52$$

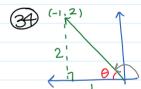


$$Cos44 = \underbrace{\times}_{33} \Rightarrow x = 23.74$$



$$\tan \theta = \frac{4}{3}$$

$$\theta = 53.13^{\circ}$$



 $|V| = \sqrt{(-1)^2 + 2^2}$ $|V| = \sqrt{5}$

 $\tan\theta = \frac{2}{1}$ $\theta = 63.43$

180-63.43 116.57°



 $sin65 = y \Rightarrow y = 480.34$

$$\cos 65 = X \Rightarrow X = 223.99$$



 $Sin80 = \underline{y} \Rightarrow y = 453.01$

$$COS80 = X \Rightarrow X = 79.88$$

$$\cos 70 = \frac{X}{10} \Rightarrow X = 3.42$$

<3.42,9.40>