9,
$$< 2-3$$
, $-8-47 \rightarrow (-1)$, $-12 = .2$
 < -2 , -24 $= 21/45$

$$3. < -5, |7 + < 4, -10 >$$

$$< -|5, 37 + < 4, -10 >$$

$$< -|1, -7 > \sqrt{(-1)^2 + (7)^2} = \sqrt{170}$$

$$15. \langle -1,3 \rangle - \langle 2,-5 \rangle$$
 $\langle -3,8 \rangle$

$$\frac{21.11 = \langle -2, 4 \rangle}{101} = \langle \frac{-2}{162)^{2}+4^{2}} / \frac{4}{1(-2)^{2}+4^{2}} \rangle$$

$$\frac{23}{(-1)^{2}-25}$$

$$\frac{-1}{\sqrt{(-1)^{2}+(-2)^{2}}} = -0.15, -0.89;$$

$$\frac{2}{(2^{2}+1^{2})^{2}} = \frac{2}{(2^{2}+1^{2})^{2}}$$

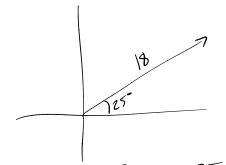
$$\frac{2}{(2^{2}+1^{2})^{2}} = \frac{2}{(2^{2}+1^{2})^{2}}$$

$$\frac{2}{(5)} = \frac{2}{(5)} = \frac{1}{(5)}$$

$$\frac{2}{(5)} = \frac{1}{(5)} = \frac{2}{(5)} = \frac{1}{(5)} = \frac{1}{(5)$$

$$\frac{27. \left(-4, -5\right)}{\sqrt{(4)^2+(5)^2}}$$

29,



V= < 16.31, 7.61 >

30

31, V~ < 47(65 | 08, 475in 186 = V~ <-14.52, 44.7 =

$$33. \langle 3, 47 \rangle$$
 $||y|| \langle 3, 47 \rangle$
 $||x|| \langle 3, 4$

35.
$$3i-4i$$
 $\sqrt{3^2+(4)^2}=5$ $-4=5\sin\theta$
 $5i\sqrt{6}=\frac{4}{5}$
 $6=306.9$