1. Cari Pythagoras dari titik tersebut:

$$(V8)^2 + (V8)^2 = V16$$

= 4

Setelah itu cari tan dari derajat yang terbuat

Tan
$$a = V8 / -V8 = -1$$

$$a = 45^{\circ}$$

karena berada di kuadran 4 maka:

$$360^{\circ} - 45^{\circ} = 315^{\circ}$$

 $(4,315^{\circ})$

2. $6 \times \cos 330^{\circ} = 6 \times \cos 30^{\circ}$

 $6 \times \sin 330^{\circ} = 6 \times - \sin 30^{\circ}$

Sehingga: B (3V3, -3)

3. P(9,12) = P(r,a)

$$Vr = (V9)^2 + (12)^2$$

R= 15

4. P(-5,10) = P(r,a) tan a = ?

Tan
$$a = 10/-5$$

Tan a= -2

5. $A(a,b) = A(p,q) \rightarrow cartesius$

Jadi a =
$$V(p^2 + q^2)$$

6. $4 \times \cos 30^{\circ} = 2 \text{V}3$

$$4 \times \sin 30^{\circ} = 2$$

Jadi : (2V3,2)

7. $2 \times \cos 120^{\circ} = 2 \times -\cos 60^{\circ}$

 $2 \times \sin 120^{\circ} = 2 \times \sin 60^{\circ}$

Jadi: (-1,V3)

8. Cari garis miringnya:

$$V(1^2 + (V3)^2) = r$$

$$R = 2$$

Tan
$$a = V3/1$$

$$A = 60^{\circ}$$

Jadi : (2,60°)

9. $4 \times \cos 210 = 4 \times -\cos 30$

 $4 \times \sin 210 = 4 \times -\sin 30$

Sehingga: (-2V3,-2)

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10. V(-1^2 + -1^2) = V2
     Tan a = -1/-1
           A = 45^{\circ}
     Karena kuadran 3 \rightarrow 180° + 45° = 225°
     Jadi: (V2,225°)
11. Karena dalam selang 180° dan 270° maka sudah pasti kuadran III
     Maka \cos x = \min u
     Tan x = 24/10
     Phytagoras = V(24^2 + 10^2)
                     = 26
     \cos x = -10/26
             = -5/13
12. 1 + \frac{1}{2} - 1 + 1 = \frac{1}{2}
                     = 1,5
13. Sec 330 = \sec 30 = 2/3 \text{ V}
     Tan 120 = -\tan 60 = -V3
     \sin 315 = -\sin 45 = -1/2V2
     2/3 V3 . -V3 . -½V2 = -V2
14. \sin x + \cos 60 / \sin 150 - \sin 270 = 0
     \sin x + \frac{1}{2} / \frac{1}{2} + 1 = 0
     Sin x + \frac{1}{2} / 1 \frac{1}{2} = 0
     \sin x + \frac{1}{2} = 0
     Sin x = -\frac{1}{2}
     X = 210^{\circ}
15. Tan x = a
     Phytagoras = V(a^2 + 1)
     Sin x = a / V(a^2 + 1)
     Cos x = 1 / V(a^2 + 1)
     (\sin x + \cos x)^2 = a^2 + 2a + 1 / a^2 + 1
16. Sin 135 + sin 225 / cos 225
     = \frac{1}{2} \text{ V2} - \frac{1}{2} \text{ V2} / \cos 225
     = 0 / \cos 225
     = 0
17. Sin 20 . sin 240 tan 45 / cos 70 cos 120 tan 120
     = \sin 20 \cdot -\frac{1}{2} \cdot V3 \cdot \frac{1}{\sin 20} \cdot -\frac{1}{2} \cdot -V3
     = -1
18. Sin 45 sin 135 sin 120 sin 330 / cos 45 cos 225 cos 240 cos 300
     = \frac{1}{2} \text{ V2} \cdot \frac{1}{2} \text{ V2} \cdot \frac{1}{2} \text{ V3} \cdot - \frac{1}{2} / \frac{1}{2} \text{ V2} \cdot - \frac{1}{2} \text{ V2} \cdot - \frac{1}{2} \cdot \frac{1}{2}
     = -V3
19. \cos(90-(2x+10)) = \cos(3x-35)
     = 90 - 2x - 10 = 3x - 35
     x = -10
20. Cot(90-(45-x)) = cot(25-x)
     = 90-45+x = 25 -x
     X = 23
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