

Trigonometri Tugas

1. Dik : $x = 2$
 $y = 5$

Dit ? Nilai \cos

$$r^2 = x^2 + y^2$$

$$r^2 = 2^2 + 5^2$$

$$r^2 = 4 + 25$$

$$r^2 = 29$$

$$r = \sqrt{29}$$

$$r = 5,3$$

$$\sin = y/r = 5/5,3$$

$$\cos = x/r = 2/5,3$$

$$\tan = y/x = 5/2$$

$$\cot = x/y = 2/5$$

$$\operatorname{cosec} = r/y = 5,3/5$$

$$\operatorname{secan} = r/x = 5,3/2$$

2. $\tan = 30^\circ = \frac{x}{150}$

$$= \frac{\sqrt{3}}{3} = \frac{x}{150}$$

$$x = \frac{150(\sqrt{3})}{3}$$

$$x = 50\sqrt{3}$$

Tinggi menara = $x +$ jarak Andi
dengan tanah
 $= 50\sqrt{3} \text{ m} + 150 \text{ m}$
 $= (50\sqrt{3} + 1,5) \text{ m}$