

EVALUASI KD 3.8

Nama :

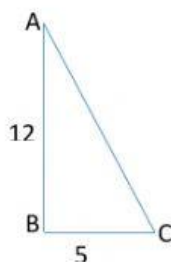
Kelas :

Jawablah pertanyaan berikut dengan mengisi bagian/kotak yang kosong

1. Diketahui segitiga ABC siku-siku di B. Panjang AB = 12 cm dan BC = 5. Tentukan

- Sin A
- Cos A
- Tan A

Penyelesaian :



$$AC = \sqrt{AB^2 + BC^2}$$

$$AC = \sqrt{12^2 + 5^2}$$

$$AC = \sqrt{144 + 25} = \sqrt{169}$$

$$AC = 13$$

$$\sin A = \frac{de}{mi} = \frac{BC}{AC} = \frac{5}{13}$$

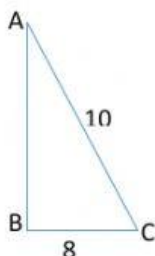
$$\cos A = \frac{sa}{mi} = \frac{AB}{AC} = \frac{12}{13}$$

$$\tan A = \frac{de}{sa} = \frac{BC}{AB} = \frac{5}{12}$$

2. Diketahui segitiga ABC siku-siku di B. Panjang AC = 10 cm dan BC = 8. Tentukan

- Sin C
- Cos C
- Tan C

Penyelesaian :



$$AB = \sqrt{AC^2 - BC^2}$$

$$AB = \sqrt{10^2 - 8^2}$$

$$AB = \sqrt{100 - 64} = \sqrt{36}$$

$$AB = 6$$

$$\sin C = \frac{de}{mi} = \frac{AB}{AC} = \frac{6}{10} = \frac{3}{5}$$

$$\cos C = \frac{sa}{mi} = \frac{BC}{AC} = \frac{8}{10} = \frac{4}{5}$$

$$\tan C = \frac{de}{sa} = \frac{AB}{BC} = \frac{6}{8} = \frac{3}{4}$$