

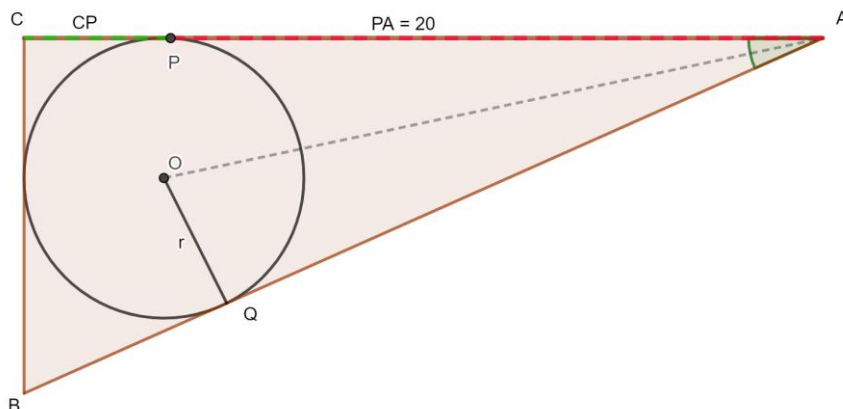
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	Klasse: 20		Dato: 8. maj 2021	Fag: Matematik A

Opgave 002

$$PA = 20$$

$$r = 5$$

$$PO = 5$$



$$OA = \sqrt{PO^2 + PA^2}$$

$$OA = \sqrt{5^2 + 20^2} \quad | \text{ Indsæt tal}$$

$$OA = \sqrt{25 + 400} \quad | \text{ Potens}$$

$$OA = \sqrt{425} \quad | \text{ Plus}$$

$$OA = 20.62 \quad | \text{ Kvrod}$$

$$\frac{A_{vinkel}}{2} = \tan^{-1} \frac{r}{PA}$$

$$A_{vinkel} = \tan^{-1} \frac{r}{PA} \cdot 2 \quad | \text{ Gange på begge sider}$$

$$A_{vinkel} = \tan^{-1} \frac{5}{20} \cdot 2 \quad | \text{ Indsæt tal}$$

$$A_{vinkel} = \tan^{-1} 0.25 \cdot 2 \quad | \text{ Brøk}$$

$$A_{vinkel} = 14.04 \cdot 2 \quad | \text{ Arctan}$$

$$A_{vinkel} = 28.08 \quad | \text{ Gange}$$

$$CA = CP + PA$$

$$CA = 5 + 20 \quad | \text{ Indsæt tal}$$

$$CA = 25 \quad | \text{ Plus}$$

$$CB = \tan A_{vinkel} \cdot CA$$

$$CB = \tan 28.08 \cdot 25 \quad | \text{ Indsæt tal}$$

$$CB = 0.53 \cdot 25 \quad | \text{ Tan}$$

$$CB = 13.25 \quad | \text{ Gange}$$

$$Areal = CB \cdot CA \cdot \frac{1}{2}$$

$$Areal = 13.25 \cdot 25 \cdot \frac{1}{2} \quad | \text{ Indsæt tal}$$

$$Areal = 165.625 \quad | \text{ Gange sammen}$$