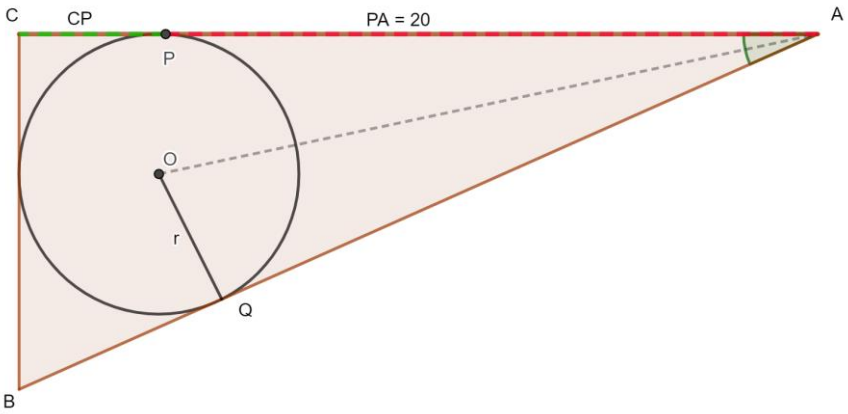
	Navn:		Skole:	
	Klasse: 20		Dato: 8. maj 2021	Fag: Matematik A

Opgave 002

$PA = 20$
$r = 5$
$PO = 5$



$$OA = \sqrt{PO^2 + PA^2}$$
$$OA = \sqrt{5^2 + 20^2} \quad | \textit{Indsæt tal}$$
$$OA = \sqrt{25 + 400} \quad | \textit{Potens}$$
$$OA = \sqrt{425} \quad | \textit{Plus}$$
$$OA = 20.62 \quad | \textit{Kvrod}$$

$$\frac{A_{vinkel}}{2} = \tan^{-1}\frac{r}{PA}$$
$$A_{vinkel} = \tan^{-1}\frac{r}{PA} \cdot 2 \quad | \textit{Gange på begge sider}$$
$$A_{vinkel} = \tan^{-1}\frac{5}{20} \cdot 2 \quad | \textit{Indsæt tal}$$
$$A_{vinkel} = \tan^{-1} 0.25 \cdot 2 \quad | \textit{Brøk}$$
$$A_{vinkel} = 14.04 \cdot 2 \quad | \textit{Arctan}$$
$$A_{vinkel} = 28.08 \quad | \textit{Gange}$$

$$CA = CP + PA$$
$$CA = 5 + 20 \quad | \textit{Indsæt tal}$$
$$CA = 25 \quad | \textit{Plus}$$

$$CB = \tan A_{vinkel} \cdot CA$$
$$CB = \tan 28.08 \cdot 25 \quad | \textit{Indsæt tal}$$
$$CB = 0.53 \cdot 25 \quad | \textit{Tan}$$
$$CB = 13.25 \quad | \textit{Gange}$$

$$Areal = CB \cdot CA \cdot \frac{1}{2}$$
$$Areal = 13.25 \cdot 25 \cdot \frac{1}{2} \quad | \textit{Indsæt tal}$$
$$Areal = 165.625 \quad | \textit{Gange sammen}$$