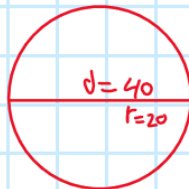
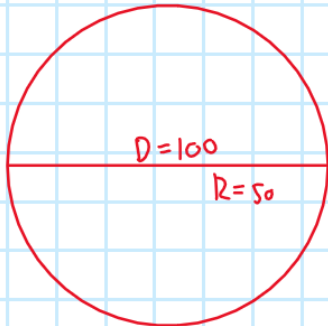


	Navn:		Skole:	
	Klasse: 20		Dato: 23. marts 2021	Fag: Matematik A

### Opgave 133



$$\begin{aligned}
 A_1 &= \pi \cdot R^2 \\
 &= \pi \cdot 50^2 && \text{indsæt tal} \\
 &= \pi \cdot 2500 && \text{Potens} \\
 &= 7854 && \text{Gange}
 \end{aligned}$$

$$\begin{aligned}
 A_2 &= \pi \cdot r^2 \\
 &= \pi \cdot 20^2 && \text{indsæt tal} \\
 &= \pi \cdot 400 && \text{Potens} \\
 &= 1256 && \text{Gange}
 \end{aligned}$$

$$\begin{aligned}
 \text{Fald i procent} &= \frac{A_2}{A_1} \cdot 100 \\
 &= \frac{1256}{7854} \cdot 100 && \text{indsæt tal} \\
 &= 0.159 \cdot 100 && \text{Udreg brøk} \\
 &= 16\% && \text{Gange}
 \end{aligned}$$