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$\qquad$

Final Exam Unit 4 Review

1. A circle has diameter 10.5 cm . Calculate the circumference.

$$
\begin{aligned}
& C=\pi \times d \\
& c=3.14 \times 10.5 \mathrm{~m} \\
& C=32.97 \mathrm{~m}
\end{aligned}
$$

2. A circle has radius 4.3 mm . Calculate the circumference.

$$
\begin{aligned}
& C=2 \pi r \\
& C=2 \times 3.14 \times 4.3 \mathrm{~m} \\
& C^{C}=27.0 \mathrm{~m}
\end{aligned}
$$

3. A circle has circumference 12.6 m . Calculate the diameter.

$$
\begin{aligned}
& d=\frac{c}{\pi} \text { or } d=c \div \pi \\
& d=\frac{21.6 \mathrm{~m}}{3.14} \quad d=4.013 \mathrm{~m}
\end{aligned}
$$

4. A circular tablecloth has diameter 1.8 m . A fringe costs $\$ 2.49 / \mathrm{m}$. Find the cost to put a fringe
around the cloth. Do not include tax. around the cloth. Do not include tax.
Find the circumference 110
(A)

$$
\begin{align*}
& C=\pi \times d \\
& C=3.14 \times 1.8 \mathrm{~m} \\
& C=5.652 \mathrm{~m}
\end{align*}
$$

5. Calculate the area of each figure.


$$
A=b \times h
$$

$$
A=4 \times 9
$$

$$
A=36 \mathrm{~cm}^{2}
$$

$$
\begin{aligned}
& A_{a}=b \times h \\
& A=8 \mathrm{~cm} \times 3 \mathrm{~cm} \\
& A=8=24 \mathrm{~cm}^{2} \\
& \begin{array}{l}
d=41 \mathrm{~cm} \\
r=\frac{41}{2}=20.5 \\
\hline k=7 \times r m
\end{array} \\
& A=\pi \times r \times r \\
& \begin{array}{l}
A=3.14 \times 20.5 \times 205 \quad A \\
A=4319.59 \mathrm{~cm}
\end{array}
\end{aligned}
$$


(1) Find the diameter. (2) find the areas:

9. Which data sets cannot be represented by a circle graph? Explain


Data Set \# Ii. Giverthe data
You cannot find the totals with 2 sets of data.

