

Area and Perimeter using Distance Formula
Find the Area and Perimeter of each figure. Round any decimal answers to the nearest tenth unit.
4)


$$
4^{2}+y^{2}=c^{2}
$$

$$
c=\sqrt{3}, \sim 57
$$

$A_{T}=A_{\square}+A_{\square}+A_{\square}+A_{\Delta}$

$$
A=2 \cdot 3+4 \cdot 2+3 \cdot 6+\frac{1}{2} \cdot 4-4
$$

$$
A=6+8+18+8
$$

$$
B A=40,2
$$

$$
\begin{aligned}
& p=3+6+5+3+2+5+5.7 \\
& P=29.7
\end{aligned}
$$

7) 

4


$$
\begin{aligned}
& 2^{2}+6^{2}=c^{2} \\
& c^{2}=\sqrt{40} \\
& c=6.3 \\
& A_{4}=A_{a}+A_{a}+A_{1} \\
& A=4 \cdot 10+4.6+\frac{1}{2} \cdot 2-6 \\
& A=40+24+6 \quad A=\pi \\
& P=4+4+4+10+10+6.3 \\
& P=38.3 \mathrm{w}
\end{aligned}
$$

8) 



$$
\begin{aligned}
& 4^{2}+5^{2}=c^{2} \\
& c=\sqrt{41}
\end{aligned}
$$


$p=(6,4) \cdot 4 \quad p=25.6$

$$
p=6.4+6.4+6.4+6.4
$$

8
9)


$$
\begin{array}{ll}
2^{2}+3^{2}=c^{2} & 1^{2}+3^{2}=c^{2} \\
c=\sqrt{13} & c=\sqrt{10}
\end{array}
$$

$$
c=3.6 \quad, c=3.2
$$

$$
\begin{aligned}
& C=3.6 \\
& A_{1}=A_{\square}+4 A_{\square} \\
& 0.2 \\
& +1.2
\end{aligned}
$$

$$
A=\underbrace{8 \cdot 2}_{\text {MOLE }}+\underbrace{4 \cdot \frac{1}{2}(3 \cdot 2)}_{4 P O D}-\underbrace{4 \cdot \frac{1}{2} \cdot 13}_{\text {MIDDLE }}
$$

$$
\begin{gathered}
p=2(6)+4 \cdot(3.6)+4(3.2) \\
p=12+14.4+12.8 \\
p=39.2 / 0=39.0 u
\end{gathered}
$$

MIDDLE convent's $\triangle$ 's RECT

$$
A=16+12+6 \quad A=34 \quad u^{2}
$$

6) 



$$
\begin{aligned}
c & =5 \\
A_{T} & =A_{\square}+A_{\nabla}+\frac{1}{2} \cdot 3 \cdot 4+\frac{1}{2}-5 \cdot 3 \\
A & =8 \cdot 4+\frac{1}{2}
\end{aligned}
$$

$$
\begin{array}{ll}
A_{1}=A \square+\frac{1}{2} \cdot 3 \cdot 4+\frac{1}{2} \cdot 5 \cdot 3 & A_{T}=A_{\square}+A \cdot+ \\
A=5 \cdot 3+7 \cdot 3+\frac{1}{2} \cdot 5 \cdot 4
\end{array}
$$

$$
A=32+6+75
$$

$$
A=45.5
$$

$$
p=8+7+5-8+5+8
$$

$$
p=338
$$

$$
\begin{aligned}
& s^{2}+y^{2}=c^{2} \\
& c=\sqrt{41} \\
& 2 \Delta \text { 's } A=\frac{1}{2}(10.4)+(7.3)+(314) \\
& A_{T}^{C}=A_{a}+4+A_{\square}+\downarrow 2 A_{\Delta} \text { or }
\end{aligned}
$$

