Chord -Chord



Tacet $\tan ^{2}=($ octant $x$ (shade $)$
$\tan ^{2}=($


$$
\begin{aligned}
& x^{2}=2(8) \\
& 5 x^{2}=\sqrt{16} \\
& x=4 x
\end{aligned}
$$

$$
x(x+6)=5(8)
$$

$$
x^{2}+6 x=40
$$

$$
x(x+20)=24^{2}
$$

$$
x^{2}+6 x-40=0
$$

$$
x^{2}+20 x=576
$$

$$
(x+10)(x-4)=0
$$

$$
x^{2}+20 x-576=0
$$

$$
(x+36)(x-16)=0
$$

$$
x=\{726,16\}
$$

$$
x=164
$$

7. Given: $A C=12 \cdot B C=3, \overline{D C}=16 ; H G=9 ;$ and $E F=2$; Find $F H$.


$$
\begin{gathered}
12 x=3(16) \\
\frac{12 x=48}{12} \\
x=4 \\
\text { FA: } y(y+9)=2(18) \\
y^{2}+9 y=36 \\
y^{2}+9 y-36=0 \\
(y+12)(y-3)=0 \\
y=\{-2 x, 3\} \\
y=34
\end{gathered}
$$



