

Compare the two functions below. Determine which function has a "greater rate of change."
Function 1
$x \| y \quad m=2$

| 1 | 2 |
| :--- | :--- |
| 2 | 4 |
| 3 | $6+2$ |
| 4 | 8 |$>+2$

$\left.\qquad \begin{array}{r}\text { Function } x \\ y=b \\ y \\ y\end{array}\right)=3 x-4$
greater $m=3$
Rate of (slope)
Change
Function 1
$x_{1}$
$(3,8)$
$y_{1}$
$x_{2}$
$y_{2}$
and
$(4,2)$
Hiancer
slope
$\frac{2-8}{4-3}=-6$
Function 1


Function 1
$(4,0)$ and $(2,10)$
$\stackrel{\downarrow}{\text { steers }} \frac{10-0}{2-4}=-5$

Function 2

$$
\begin{gathered}
y=-3 x+7 \\
m=-3
\end{gathered}
$$



Function 2


