Write the coordinates of points A to H.
A ( 3,2,
E ( $\boxed{-4}, \boxed{-4}$ )
B ( $-3,2$ )
$F(4,4)$
$\mathbf{C}(\boxed{-3}, \boxed{-2})$
D ( $3,-2$ )
$\mathbf{G}(-4, \boxed{4})$
H ( $4, \boxed{-4})$


Red: $\quad B=(14,8)$

$$
\begin{aligned}
& D=(-10,-4) \\
& E=(0,8)
\end{aligned}
$$

Purple: $\quad B=(8,7)$

$$
M=(5,3)
$$

