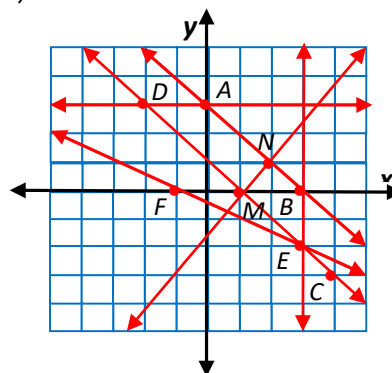


Name: \_\_\_\_\_

## Coordinate Plane

Determine if the slope of each line is positive, negative, 0, or undefined. Then find the slope of each line.

- AD
- BE
- MN
- EF
- Which lines are parallel?
- Which lines are perpendicular?

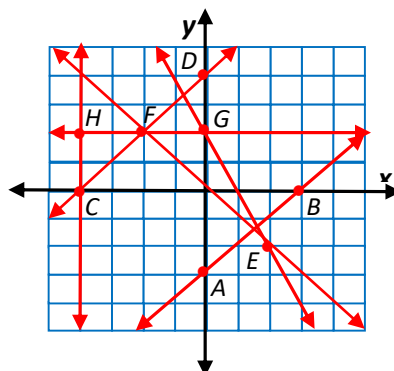


Graph the quadrilaterals with the given vertices. Give all of the names that apply to each quadrilateral.

- $D(-3, -2)$ ,  $E(-3, 3)$ ,  $F(2, 3)$ ,  $G(2, -2)$
- $R(3, -2)$ ,  $S(3, 1)$ ,  $T(-3, 5)$ ,  $V(-3, -2)$

Determine if the slope of each line is positive, negative, 0, or undefined. Then find the slope of each line.

- AB
- EG
- HG
- CH
- Which lines are parallel?
- Which lines are perpendicular?



Graph the quadrilaterals with the given vertices. Give all of the names that apply to each quadrilateral.

15.  $D(-3, 5), E(3, 5), F(3, -1), G(-3, -1)$

16.  $W(-2, 1), X(-2, -2), Y(4, 1), Z(0, 2)$

Draw the line through the given points and find its slope.

17.  $A(2, 1), B(4, 7)$

18.  $C(-2, 0), D(-2, -5)$

19.  $G(-3, -1), H(-2, -4)$

20.  $E(-3, 1), F(4, -2)$