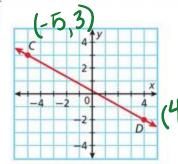
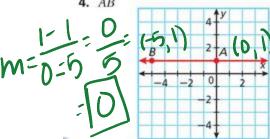
Use the slope formula to determine the slope of each line.

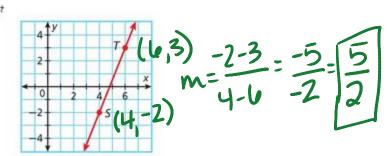




$$M = \frac{-2-3}{4-5} = \frac{-5}{9}$$

4. AB

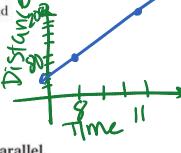




6. Biology A migrating bird flying at a constant speed travels 80 miles by 8:00 A.M. and 200 miles by 11:00 A.M. Graph the line that represents the bird's distance traveled.

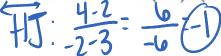
Find and interpret the slope of the line.
$$M = \frac{200 - 80}{11 - 8} = \frac{120}{3} = \frac{40}{40}$$

an aug. speed of 40 myhr



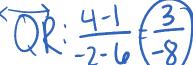
Graph each pair of lines. Use slopes to determine whether the lines are parallel, perpendicular, or neither.

7. \overrightarrow{HJ} and \overrightarrow{KM} for H(3, 2), J(4, 1), K(-2, -4), and M(-1, -1)



$$\frac{-1}{1}$$
 = (-1) parall

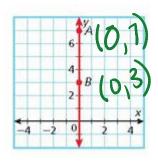
9. \overrightarrow{QR} and \overrightarrow{ST} for Q(6, 1), R(-2, 4), S(5, 3), and T(-3, -1)



$$\frac{-1-3}{-3-2} = \frac{-4}{-1}$$

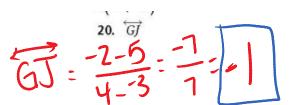


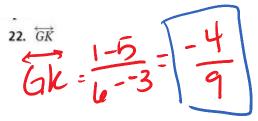
Use the slope formula to determine the slope of each line.



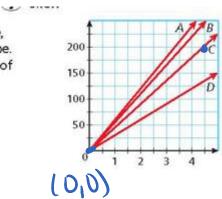
$$M = \frac{3-7}{0-0} = \frac{-4}{0}$$

For F(7, 6), G(-3, 5), H(-2, -3), J(4, -2), and K(6, 1), find each slope.





- 28. In the formula d = rt, d represents distance, and r represents the rate of change, or slope. Which ray on the graph represents a slope of 45 miles per hour?
 - (A) A
- **C**
- **B** B
- (D) D



(5,200) m=200-0=200 -5-0 = 45