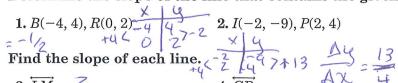
Practice

Slopes of Lines

Determine the slope of the line that contains the given points.

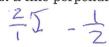


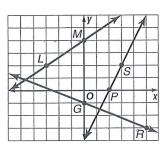
ine.
$$\sqrt{\frac{2}{2}} \sqrt{\frac{9}{19}} \sqrt{113}$$

3. LM Z

5. a line parallel to \overrightarrow{GR}

6. a line perpendicular to
$$\overrightarrow{PS}$$





Determine whether \overrightarrow{KM} and \overrightarrow{ST} are parallel, perpendicular, or neither. 7. K(-1, -8), M(1, 6), S(-2, -6), T(2, 10) for the set K(-5, -2), M(5, 4), S(-3, 6), T(3, -4) for K(-4, 10), K(-4,

7.
$$K(-1, -8), M(1, 6), S(-2, -6), T(2, 10)$$

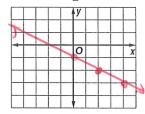
10.
$$K(-3, -7), M(3, -3), S(0, 4), T(6, -5)$$

16 < -4/10 > -18 Parallel

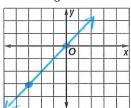


Graph the line that satisfies each condition.

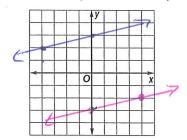
11. slope = $-\frac{1}{2}$, contains U(2, -2)



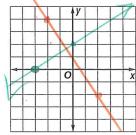
12. slope = $\frac{4}{3}$, contains P(-3, -3)



13. contains B(-4, 2), parallel to \overline{FG} with F(0, -3) and G(4, -2)



14. contains Z(-3,0), perpendicular to EKwith E(-2, 4) and K(2, -2)



15. PROFITS After Take Two began renting DVDs at their video store, business soared. Between 2000 and 2003, profits increased at an average rate of \$12,000 per year. Total profits in 2003 were \$46,000. If profits continue to increase at the same rate, what will the total profit be in 2009?