

Extra Practice

1.5

Name _____

In 1–4, find the slope of the line that passes through A and B .

1. $A(3, 8)$
 $B(1, -6)$

2. $A(0, 6)$
 $B(3, -3)$

3. $A(7, 2)$
 $B(6, 1)$

4. $A(3, 4)$
 $B(-3, -2)$

In 5–8, use $A(3, 6)$ and $B(-2, -4)$. State how \overline{CD} is related to \overline{AB} .

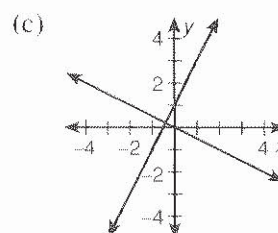
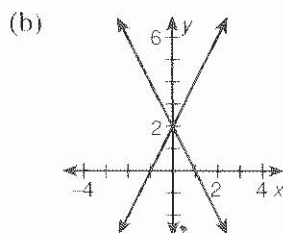
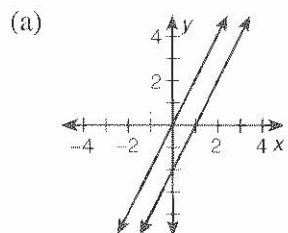
5. $C(0, 5)$
 $D(1, 3)$

6. $C(2, -1)$
 $D(-4, 2)$

7. $C(3, -6)$
 $D(-1, 2)$

8. $C(5, 10)$
 $D(-\frac{3}{2}, -3)$

In 9–11, match the pair of equations with its Graph. State whether the lines are parallel, perpendicular, or neither.



9. $y = 2x + 2$
 $y = -2x + 2$

10. $y = 2x + 1$
 $y = -\frac{1}{2}x$

11. $y = 2x$
 $y = 2x - 2$

In 12–14, Graph the points $A(2, 8)$ and $B(4, 4)$. Decide whether point C is collinear with A and B .

12. $C(6, 0)$

13. $C(5, 1)$

14. $C(0, 12)$

In 15–18 use the drawing of the aquarium. Use the words parallel, perpendicular, and coplanar to describe how parts of the figure appear to be related to each other.

15. Planes $ABCD$ and $ABFE$

16. Lines \overline{AB} and \overline{CD}

17. Line \overline{FH} and plane $BCHF$

18. Points $G, C,$ and D

