

Geo Review

Sections 1.3, 1.4, 1.8

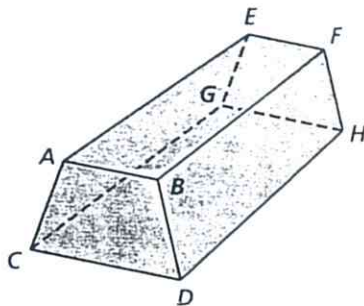
Bellwork

Put the following problems on a separate sheet of looseleaf, as the start of a new week. Solve (1) $2x - 1 = 7$ (2) $-3y + 4 = 8$
(3) $-14 - x = 6$ (4) $6x + (-2) = -4$

Exercises

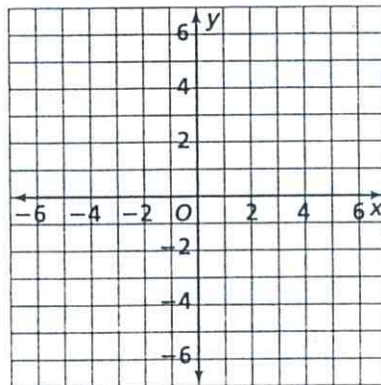
For Exercises 1–7, name the lines or planes indicated.

- 1.3
1. Name a pair of parallel lines.
 2. Name a pair of skew lines.
 3. Name a pair of lines that are neither parallel lines nor skew lines.
 4. Name a pair of parallel planes.
 5. Name a pair of planes that intersect in a line.
 6. Name three planes that intersect at a point.



1.4 Use the grid at the right.

7. Graph the following points on the grid:
 $P(-1, -1)$, $Q(0, 4)$, $R(-3, -5)$, $S(2, 5)$, and $T(3, -4)$.
8. Name three noncollinear points.
9. Name three collinear points.
10. Name two intersecting lines.



1.8

Find the distance between the points to the nearest tenth. Then find

- the midpoint
- | | | |
|------------------------------|----------------------------|-------------------------------|
| 4. $A(-2, -5)$, $B(-4, 7)$ | 5. $R(3, -4)$, $S(-1, 3)$ | 6. $G(-4, -5)$, $H(3, 2)$ |
| 7. $C(2, 5)$, $D(5, -6)$ | 8. $E(-7, 3)$, $F(0, 9)$ | 9. $J(-11, -4)$, $K(-3, -1)$ |
| 10. $X(0, 10)$, $Y(-6, -7)$ | 11. $L(5, -6)$, $M(8, 2)$ | 12. $U(9, 3)$, $V(9, -14)$ |