

Linear Relationships 2

Geometry

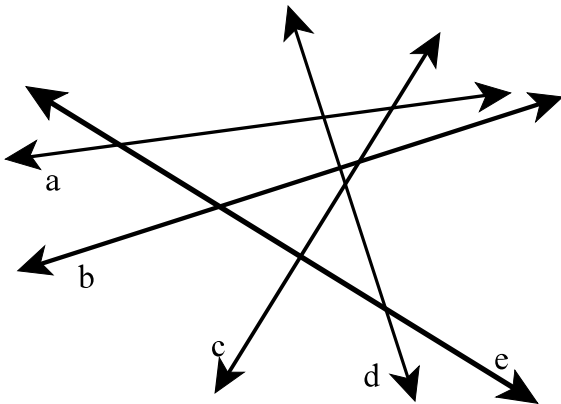
Which lines are perpendicular?

d and b, c and e

2) Define parallel lines and give the symbol.

Lines that do not intersect. \parallel

1)



3) Define skew lines.

Lines that do not intersect and are not parallel.

Refer to the figures at the right for problems 4 - 9.
Name the segments that intersect the given segment.

- 4) \overline{FE} in fig. 1 5) \overline{TU} in fig. 2
 $\overline{DE}, \overline{AE}, \overline{CF}, \overline{AF}$ $\overline{WT}, \overline{RT}, \overline{SU}, \overline{VU}$

Name the segments that are parallel to the given segment.

- 6) \overline{ED} in fig. 1 7) \overline{SU} in fig. 2
 $\overline{FC}, \overline{AB}$ $\overline{RT}, \overline{YV}, \overline{XW}$

Name the segments that are skew to the given segment.

- 8) \overline{DE} in fig. 1 9) \overline{XY} in fig. 2
 $\overline{AF}, \overline{BC}$ $\overline{WT}, \overline{UV}, \overline{RT}, \overline{SU}$

For the pair of angles given, identify the transversal and classify the angles.

- 10) $\angle 4$ and $\angle 7$ 11) $\angle 6$ and $\angle 2$

Corresponding (a)

- 12) $\angle 3$ and $\angle 5$ 13) $\angle 5$ and $\angle 4$

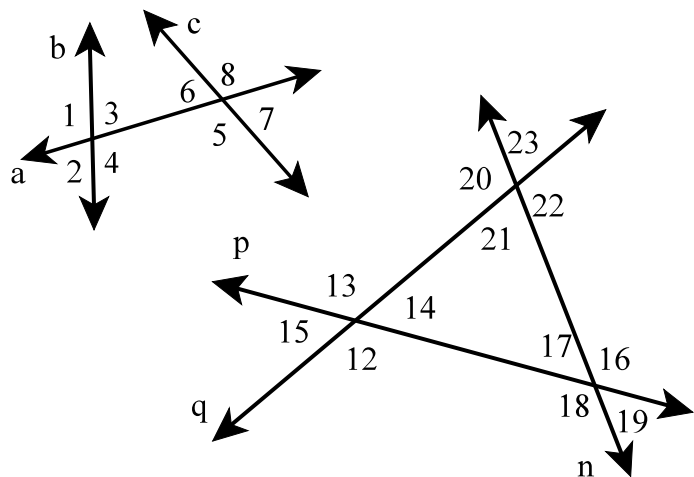
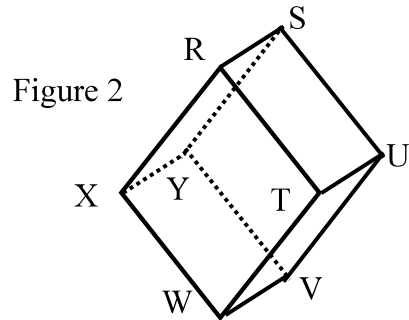
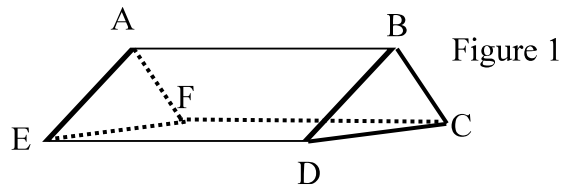
Alternate Interior (a)

- 14) $\angle 16$ and $\angle 15$ 15) $\angle 21$ and $\angle 14$

Alternate Exterior (p)

- 16) $\angle 16$ and $\angle 23$ 17) $\angle 19$ and $\angle 20$

Corresponding (n)



18) $\angle 12$ and $\angle 17$ 19) $\angle 21$ and $\angle 17$

Alternate Interior (p)

20) $\angle 15$ and $\angle 20$ 21) $\angle 13$ and $\angle 21$

Corresponding (q)