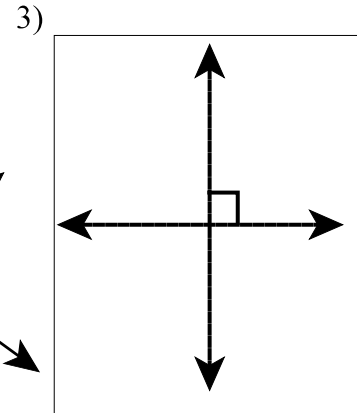
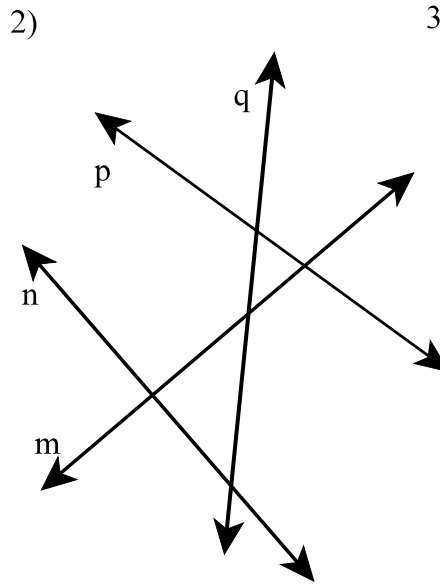
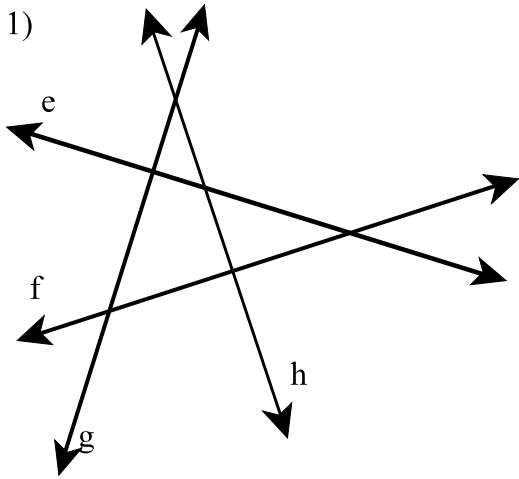


Linear Relationships
Geometry

(KEY)

Which lines are perpendicular?

In #3, draw perpendicular lines.



| | |
|------------------------|-------------|
| $e \perp g, f \perp h$ | $m \perp n$ |
|------------------------|-------------|

Refer to the figures at the right for problems 1 - 6.
Name the segments parallel to the given segment.

4) \overline{AB} in fig. 1 5) \overline{PS} in fig. 2

| | |
|--------------|------|
| DC, EG, FH | QR |
|--------------|------|

Name the segments that intersect the given segment.

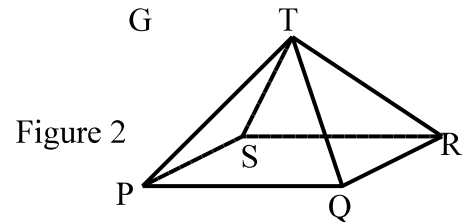
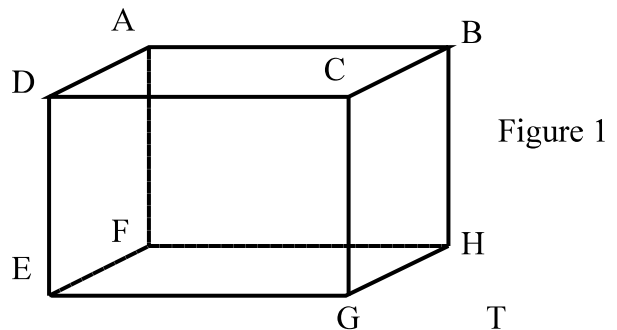
6) \overline{CD} in fig. 1 7) \overline{TR} in fig. 2

| | |
|-----------------------|---------------------------|
| $AD, BC,$ DE, CG | $TS, TP, TQ,$ RQ, RS |
|-----------------------|---------------------------|

Name the segments that are skew to the given segment.

8) \overline{DE} in fig. 1 9) \overline{PQ} in fig. 2

| | |
|-----------------------|----------|
| $AB, FH,$ BC, HG | TS, TR |
|-----------------------|----------|



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

- 10) $\angle 1$ and $\angle 5$ 11) $\angle 3$ and $\angle 4$

| | |
|----------------------------------|---------------------------------------|
| Trans: C Alt. Ext. \angle s | Trans: C Cons. Interior \angle s |
|----------------------------------|---------------------------------------|

- 12) $\angle 8$ and $\angle 6$ 13) $\angle 3$ and $\angle 7$

| | |
|--------------------------------------|----------------------------------|
| Trans: C Corresponding \angle s | Trans: C Alt. Int. \angle s |
|--------------------------------------|----------------------------------|

- 14) $\angle 4$ and $\angle 1$ 15) $\angle 10$ and $\angle 14$

| | |
|---------------------|--------------------------------------|
| Trans: C Nothing | Trans: R Corresponding \angle s |
|---------------------|--------------------------------------|

- 16) $\angle 14$ and $\angle 17$ 17) $\angle 14$ and $\angle 12$

| | |
|---------------------------------------|----------------------------------|
| Trans: Q Cons. Interior \angle s | Trans: R Alt. Int. \angle s |
|---------------------------------------|----------------------------------|

- 18) $\angle 20$ and $\angle 15$ 19) $\angle 21$ and $\angle 17$

| | |
|----------------------------------|---------------------------------------|
| Trans: Q Alt. Ext. \angle s | Trans: T Cons. Interior \angle s |
|----------------------------------|---------------------------------------|

