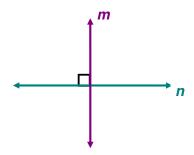
Perpendicular Lines

two lines that intersect to form a right angle



Line m is perpendicular to line n. $m \perp n$

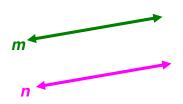
Virginia Department of Education ©2013

Geometry Vocabulary Cards

Daga 21

Parallel Lines

lines that do not intersect and are coplanar



 $m \mid \mid n$ Line m is parallel to line n.

Parallel lines have the same slope.

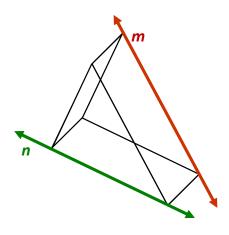
Virginia Department of Education ©2013

Geometry Vocabulary Card

Page 22

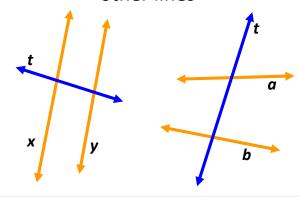
Skew Lines

lines that do not intersect and are not coplanar



Transversal

a line that intersects at least two other lines

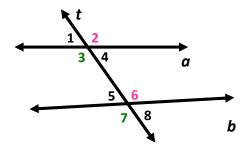


Line t is a transversal.

inginia Department of Education ©2013 Geometry Vocabulary Cards Page 23 Virginia Department of Education ©2013 Geometry Vocabulary Cards Page 24

Corresponding Angles

angles in matching positions when a transversal crosses at least two lines



Examples:

- 1) $\angle 2$ and $\angle 6$
- 2) $\angle 3$ and $\angle 7$

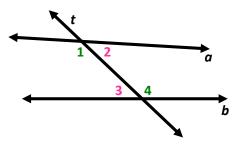
Virginia Department of Education ©2013

Geometry Vocabulary Card

Page 25

Alternate Interior Angles

angles inside the lines and on opposite sides of the transversal



Examples:

- 1) $\angle 1$ and $\angle 4$
- 2) $\angle 2$ and $\angle 3$

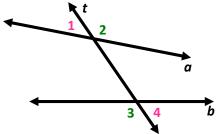
Virginia Department of Education ©2013

Geometry Vocabulary Card

Page 26

Alternate Exterior Angles

angles outside the two lines and on opposite sides of the transversal

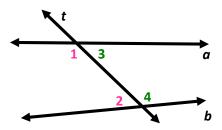


Examples:

- 1) $\angle 1$ and $\angle 4$
- 2) $\angle 2$ and $\angle 3$

Consecutive Interior Angles

angles between the two lines and on the same side of the transversal

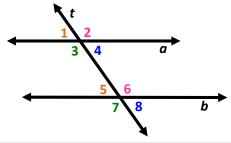


Examples:

- 1) $\angle 1$ and $\angle 2$
- 2) $\angle 3$ and $\angle 4$

Virginia Department of Education ©2013 Geometry Vocabulary Cards Page 27 Virginia Department of Education ©2013 Geometry Vocabulary Cards

Parallel Lines



Line a is parallel to line b when

Corresponding angles	∠1 ≅ ∠5 , ∠2 ≅ ∠6 ,
are congruent	∠3 ≅ ∠7, ∠4 ≅ ∠8
Alternate interior	∠3 ≅ ∠6
angles are congruent	∠4 ≅ ∠5
Alternate exterior	∠1 ≅ ∠8
angles are congruent	∠ ² ≅ ∠ 7
Consecutive interior	m∠3+ m∠ 5 = 180°
angles are supplementary	m∠4 + m∠6 = 180°

Virginia Department of Education ©2013

Geometry Vocabulary Cards

Page 2