Quizlet

Geometry Ch 3 Fitch FMS

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1.	**3-1 Parallel Lines**	Coplanar lines that do not intersect. Slopes are equal. Symbol is ∥.
2.	**3-1 Skew Lines**	Noncoplanar; they are not parallel and do not intersect.
3.	**3-1 Parallel Planes**	Planes that do not intersect. (By the way, planes can NOT be skew -- only lines can be skew.)
4.	**3-1 Transversal**	A line that intersects 2 or more coplanar lines.
5.	**3-1 Same-Side (or Consecutive) Interior Angles**	Interior angles that lie on the same side of the transversal.
6.	**3-1 Alternate Interior Angles**	Nonadjacent (different vertex) interior angles that lie on opposite sides of the transversal.
7.	**3-1 Same-Side (or Consecutive) Exterior Angles**	Exterior angles that lie on the same side of the transversal.
8.	**3-1 Alternate Exterior Angles**	Nonadjacent (different vertex) exterior angles that lie on opposite sides of the transversal.
9.	**3-1 Corresponding Angles**	In matching relative locations at each intersection. One is interior, one is exterior, and both lie on the same side of the transversal.
10.	**3-3 If 2 parallel lines are cut by a transversal, then**	corresponding angles are congruent, alternate interior angles are congruent, alternate exterior angles are congruent, same-side exterior angles are supplementary, and same-side interior angles are supplementary
11.	**3-5 Auxiliary Line**	A line that you add to a diagram to help explain relationships in proofs
12.	**3-5 Triangle Angle-Sum Theorem**	The sum of the angles in a triangle is 180 degrees
13.	**3-5 Exterior Angle of Polygon**	Angle formed by a side and an extension of an adjacent side.
14.	**3-5 Remote Interior Angles**	For each exterior angle of a triangle, the 2 nonadjacent interior angles.
15.	**3-5 The measure of an exterior angle of a triangle**	equals the sum of the measures of the 2 remote interior angles
16.	**3-7 Slope**	m; rYse over run; $\Delta y / \Delta x$; (y2 - y1) / (x2 - x1)
17.	**3-7 Slope-Intercept Form**	y = mx + b; Slope = m and y-intercept = (0, b)
18.	**3-7 Point-Slope Form**	y - y1 = m(x - x1); Slope m through point (x1, y1)
19.	**3-7 Standard Form**	Ax + By = C
20.	**3-8 Slope of Perpendicular Lines**	Coplanar lines that intersect at right angles. Slopes are opposite reciprocals. Symbol is ⊥.
21.	**3-8 Opposite Reciprocal**	Opposite sign and inverse of the fraction. The product of a slope and its opposite reciprocal is -1.
22.	**3-8 How to prove lines are parallel**	corresponding angles are congruent, alternate interior angles are congruent, alternate exterior angles are congruent, same-side interior angles are supplementary, same-side exterior angles are supplementary, both lines are perpendicular to a third line, or both lines are parallel to a third line