

Geometry Honors - Fall Final Exam Review

Definitions

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| 1. acute \angle | 363. isosceles Δ | 485. obtuse Δ example |
| 2. acute Δ | 374. equilateral isosceles Δ | 496. distance between pts. |
| 3. adjacent \angle s | 385. right Δ | 507. obtuse Δ |
| 4. alternate exterior \angle s | 396. complementary \angle s | 529. parallel lines Δ |
| 5. alternate interior \angle s | 407. line in a plane | 529. parallel lines |
| 6. altitude of a Δ | 418. measure of an angle | 530. perpendicular bisector |
| 7. angle | 429. obtuse Δ | 541. perpendicular bisector of a Δ |
| 8. \angle bisector of a Δ | 430. acute interior \angle s | 552. hypotenuse |
| 9. angle bisector | 441. obtuse Δ | 563. right Δ |
| 10. base of an isosceles Δ | 482. negatives | 574. right Δ of an \angle |
| 11. biconditional | 483. oblique lines | 585. intersecting lines |
| 12. centroid | 474. obtuse \angle s | 59. segment |

Properties

Properties of equality found on page 104.

Postulates

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| 1. Angle Addition Postulate | 5. Linear Pair Postulate | 9. Ruler Postulate |
| 2. Angle-Side-Angle \cong Post. | 6. Parallel Postulate | 10. Segment Addition Postulate |
| 3. Corresponding \angle Converse Post. | 7. Perpendicular Postulate | 11. Side-Angle-Side Congruence Post. |
| 4. Corresponding \angle s Postulate | 8. Protractor Postulate | 12. Side-Side-Side Congruence Post. |
- All other postulates which do not have names.

Theorems

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| 1. Alternate Exterior \angle s Thm | 13. Consecutive Int. \angle Converse | 25. Concurrency of Angle Bisectors |
| 2. Alternate Ext. \angle Converse | 14. Converse of the Base \angle Thm | 26. Concurrency of \perp Bisectors |
| 3. Alternate Interior \angle s Thm | 15. Converse of Hinge Thm. | 27. Prop. of \cong Δ s |
| 4. Alternate Int. \angle Converse | 16. Angle Bisector Thm | 28. Prop. of \perp Lines |
| 5. Angle-Angle-Side Congruence | 17. Exterior \angle Inequality Thm | 29. Third \angle s Thm. |
| 6. \angle Bisector Thm | 18. Exterior \angle Thm. | 30. Transitive Prop. of // lines |
| 7. \angle Bisector Converse Thm. | 19. Hinge Thm. | 31. \perp Transversal Thm. |
| 8. Base \angle s Thm | 20. Hypotenuse-Leg Congruence Thm. | 32. Concurrency of Medians of a Δ |
| 9. Concurrency of Medians of a Δ | 21. Midsegment Thm. | 33. Δ Inequality Thm. |
| 10. \cong Complements Thm. | 22. Concurrency of Medians of a Δ | 34. Δ Sum Thm |
| 11. \cong Supplements Thm. | 23. \perp Bisector Thm. | 35. Vertical \angle s Thm. |
| 12. Consecutive Interior \angle s Thm. | 24. \perp Bisector Converse | |
- All other theorems which do not have names.

Listing

- List the undefined terms in geometry.
- List the ways to prove triangles congruent.
- List the points of concurrency for angles bisectors, \perp bisectors, medians, and altitudes.

Formulas

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|---------------------|----------------------------|
| 1. Slope Formula | 4. Slopes of // lines |
| 2. Midpoint Formula | 5. Slopes of \perp lines |
| 3. Distance Formula | |