Section\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_

Prove Lines are Parallel

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| Vocabulary | Definition | Picture |
| POSTULATE 16CORRESPONDING ANGLES CONVERSE | If two lines are cut by a transversal so the corresponding angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the lines are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |  |
| THEOREM 3.4ALTERNATE INTERIOR ANGLES CONVERSE | If two lines are cut by a transversal so the alternate interior angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the lines are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |  |
| THEOREM 3.5ALTERNATE EXTERIOR ANGLES CONVERSE | If two lines are cut by a transversal so the alternate exterior angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the lines are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |  |
| THEOREM 3.6CONSECUTIVE INTERIOR ANGLES CONVERSE | If two lines are cut by a transversal so the consecutive interior angles are \_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the lines are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |  |
| THEOREM 3.7TRANSITIVE PROPERTY OF PARALLEL LINES | If two lines are parallel to the same line, then they are parallel to each other. |  |  |