# Lesson 3.4 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1. Find the distance from point *P* to | 1. TA: C:\2014 Projects\EPSs_PNGs_Word\Alg1\Arts\PNGs\HSGeom_rbc_0304_000.pngFind the distance from point *P* to |
| 1. TA: C:\2014 Projects\EPSs_PNGs_Word\Alg1\Arts\PNGs\HSGeom_rbc_0304_007.pngFind the distance from point *P* to | 1. Determine which lines, if any, must be parallel in the diagram. Explain your reasoning. |
| 1. Determine which lines, if any, must be parallel in the diagram. Explain your reasoning.   TA: C:\2014 Projects\EPSs_PNGs_Word\Alg1\Arts\PNGs\HSGeom_rbc_0304_002.png | 1. Determine which lines, if any, must be parallel in the diagram. Explain your reasoning.   TA: C:\2014 Projects\EPSs_PNGs_Word\Alg1\Arts\PNGs\HSGeom_rbc_0304_003.png |
| 1. TA: C:\2014 Projects\EPSs_PNGs_Word\Alg1\Arts\PNGs\HSGeom_rbc_0304_009.pngDetermine which lines, if any, must be parallel. Explain your reasoning. | 1. Prove the Perpendicular Transversal Theorem using the diagram and the Alternate Interior Angles Theorem. |
| 1. TA: C:\2014 Projects\EPSs_PNGs_Word\Alg1\Arts\PNGs\HSGeom_rbc_0304_004.png**Given:** and f ‖ g   **Prove:** e ‖ g | 1. TA: C:\2014 Projects\EPSs_PNGs_Word\Alg1\Arts\PNGs\HSGeom_rbc_0304_011.png**Given:**  *c* ‖ *d*     **Prove:** *a* ‖ *b* |