

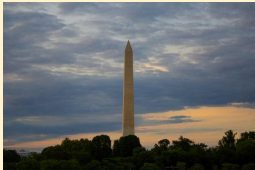


# Geometry - February 2025

**Office Hours: Monday / Tuesday / Thursday A Lunch in Room 500 or 501**

Monday	Tuesday	Wednesday	Thursday	Friday
<b>3</b> <b>Day 1-Intro/Syllabus</b> <b>Algebra Review</b>	<b>4</b> <b>Algebra Review</b>	<b>5</b> <b>Algebra Review</b>	<b>6</b> <b>Algebra Quiz</b>	<b>7</b> <b>Benchmark A</b>
<b>10</b> <b>1.1 Notes</b> <b>Foundations of Geometry</b>	<b>11</b> <b>1.1 D2 Notes</b>	<b>12</b> <b>SNOW DAY</b> 	<b>13</b> <b>1.2 Notes</b>	<b>14</b> <b>NO SCHOOL</b> 
<b>17</b> <b>NO SCHOOL</b> 	<b>18</b> <b>1.3 Notes</b>	<b>19</b> <b>1.1 - 1.3 Practice</b>	<b>20</b> <b>1.1 - 1.3 Quiz</b>	<b>21</b> <b>2.1 Notes</b> <b>Parallel and</b> <b>Perpendicular Lines</b>
<b>24</b> <b>2.2 Notes</b>	<b>25</b> <b>2.3 Notes</b>	<b>26</b> <b>2. 4 Notes</b>	<b>27</b> <b>Topic 2 Review</b>	<b>28</b> <b>Topic 2 Test</b>

## Standards & Objectives

### Topic 1

Students will be able to:

- Communicate precise definitions of angle and segment using the undefined terms: point, line, and plane.
- Use absolute value and the Segment Addition Postulate.
- Use the Protractor Postulate and the Angle Addition Postulate.
- Construct copies of segments and angles.
- Construct segments and bisectors of angles.
- Apply construction to problems involving portions of segments and angles.
- Identify congruent segments and congruent angles.
- Use the midpoint formula to find the midpoint of a segment drawn on a coordinate plane.
- Use the distance formula to find the length of a segment drawn on the coordinate plane.

### Topic 2

Students will be able to:

- Use indirect reasoning to prove theorems about lines and angles.
- Use proof by contradiction and proof by contrapositive to prove conditional statements.
- Define parallel lines using the undefined terms point and line.
- Prove theorems about lines and angles.
- Use theorems to find the measures of angles formed by parallel lines and a transversal.
- Prove that two lines cut by a transversal are parallel using the converses of parallel line angle relationship theorems.
- Use properties of parallel lines and transversals to solve real-world and mathematical problems.

See Atlas for Standards

- [Essentials of Geometry](#)