Congruence Worksheet 1

| 1. | How | would | you | con | struct | a | line | seg- |
|----|------|--------|-------|-----|--------|-----|------|------|
| | ment | congru | ent t | o a | given | seg | ment | ? |

- 6. How would you construct a line segment parallel to a given segment that goes through a given point?
- 2. How would you find the midpoint of a given segment?
- 7. How would you construct an angle congruent to a given angle?
- 3. How would you construct the perpendicular bisector of a given segment?
- 8. How would you construct the angle bisector of a given angle?
- 4. How would you construct a line segment perpendicular to a given line segment that goes through a given point?
- 9. How would you construct the angle bisectors of each of the three angles in the triangle?
- 5. How would you construct a segment perpendicular to a given segment that goes through a point on the given segment?
- 10. How would you construct the orthocenter of a triangle?

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