

Geometry Ch. 8-9A HW #1: Handout

3. $\frac{4}{3}$; $\angle A \cong \angle L$, $\angle B \cong \angle M$, $\angle C \cong \angle N$; $\frac{LM}{AB} = \frac{MN}{BC} = \frac{NL}{CA}$

4. $\frac{1}{3}$; $\angle D \cong \angle P$, $\angle E \cong \angle Q$, $\angle F \cong \angle R$, $\angle G \cong \angle S$;

$$\frac{PQ}{DE} = \frac{QR}{EF} = \frac{RS}{FG} = \frac{SP}{GD}$$

5. $x = 30$

6. $x = 24$

7. $x = 11$

8. $x = 12$

28. $\frac{2}{5}$

29. $\frac{5}{2}$

30. $x = 27.5$, $y = 12$, $z = 65$

31. 34, 85

32. 5 : 2

37. $x = 35.25$, $y = 20.25$

38. $x = 7.5$, $y = 166$