

1. $x = 6$ $y = 2$ $z = 6$	2. $\left(0, \frac{5}{2}\right)$	3. $\angle B, \angle C, \angle A$							
		4. $\overline{EF}, \overline{EG}, \overline{FG}$							
5. $x = 10$	6. <table><tr><td><u>Case 1</u></td><td><u>Case 2</u></td></tr><tr><td>Legs = 18</td><td>Base = 18</td></tr><tr><td>Base: $18 < x < 36$</td><td>Legs: $9 < x < 18$</td></tr></table>			<u>Case 1</u>	<u>Case 2</u>	Legs = 18	Base = 18	Base: $18 < x < 36$	Legs: $9 < x < 18$
<u>Case 1</u>	<u>Case 2</u>								
Legs = 18	Base = 18								
Base: $18 < x < 36$	Legs: $9 < x < 18$								
7. $\frac{1050}{323} < x < \frac{9524}{323}$	8. Yes	9. $\frac{5}{4} < x < \frac{47}{4}$	10. $\frac{36}{5} < x < 9$						