

1. Reflexive Property of Equality	2. Transitive Property of Equality	3. Distributive Property	4. Symmetric Property of Equality	5. Division Property of Equality
6. Subtraction Property of Equality	7. $x=20$ $m\angle C = 76^\circ$	8. $x=8$ $m\angle G = 72^\circ$	9. B	10. $\triangle BAD \cong \triangle BCD$ HL
11. $\triangle ABC \cong \triangle CDA$ SSS	12. $\triangle NJK \cong \triangle LMK$ AAS	13. $x = 9$	14. $x = 10$	15. $x=7$ $m\angle CBA = 125^\circ$
16. $x=5$ $m\angle HBA = 86^\circ$ $m\angle BED = 94^\circ$	17. 8.25	18. $x = 14$ JH = 7 KG=26	19. JK = 53	20. 1.3
21. 116°	22. $x = 41$	23. $x = 6$	24. 12	25. 12
26. 22 Perimeter of Parallelogram USTR = 46 Perimeter of Triangle PSU = 36	27. $x = 3$ AB = 19 CD = 38	28. Rectangle- diagonals are congruent	29. Rhombus- diagonals are perpendicular and diagonals bisect opposite angles	30. Square- diagonals are perpendicular diagonals bisect opposite angles diagonals are congruent
31. 47	32. 114°	33. 70	34. $x = 0.5$ PT = 1	35. 46°
36. 57	37. 44	38. 90°	39. 36	40. 43°
41. $31/5 = 6.2$	42. 71	43. 13.5	44. 44°	45. 15.3
46. 5	47. $x = 2$ BC=-3	48. 17.5	49. $5/2$	50. $\triangle KGJ \sim \triangle IGH$ $\angle GIH \cong \angle GJK$ $\angle G \cong \angle G$ AA~
51. $\frac{AC}{EC} = \frac{BC}{DC}$ $\angle ACB \cong \angle ECD$ $\triangle ACB \sim \triangle ECD$ SAS~	52. -1	53. $x = 10$ BD = 9	54. $x = 3$	55. 126°

<p>56. $a^2 + b^2 = c^2$</p> <p>45-45-90 hyp $x\sqrt{2}$ leg x leg x</p> <p>30-60-90 hyp $2x$ short leg x long leg $x\sqrt{3}$</p> <p>Trig Ratios SOHCAHTOA</p>	<p>57. a= 16 b= $8\sqrt{3}$</p>	<p>58. n = $3\sqrt{2}$ m = 6</p>	<p>1. n=4 n = 4</p>	<p>2. $x = 4\sqrt{2}$ $y = 4\sqrt{2}$</p> <p>perimeter $8\sqrt{2} + 8 \text{ units}$</p> <p>area 16 units squared</p>
<p>3. $y = 3$ $x = 3\sqrt{3}$</p>	<p>4. $y=5$ $x = \frac{10\sqrt{3}}{3}$</p>	<p>63. $4\sqrt{5}$ $2\sqrt{11}$ $8\sqrt{2}$</p>	<p>64. $\frac{4}{3}$ 1.3</p>	<p>65. $\frac{4}{5}$ 0.8</p>
<p>66. $\frac{4}{5}$ 0.8</p>	<p>1. 25.5</p>	<p>2. 43.1</p>	<p>3. 6.5</p>	<p>4. 16.4</p>