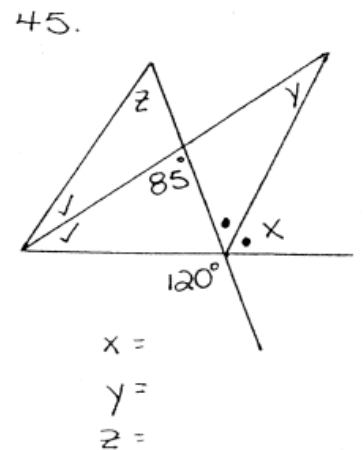
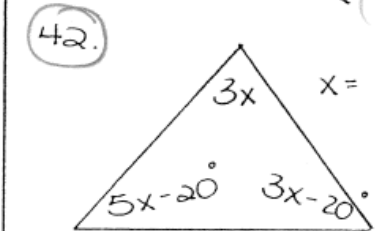
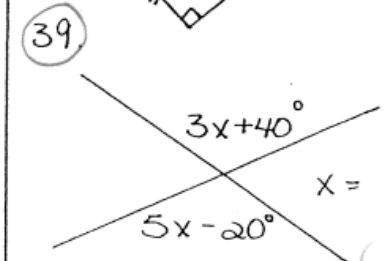
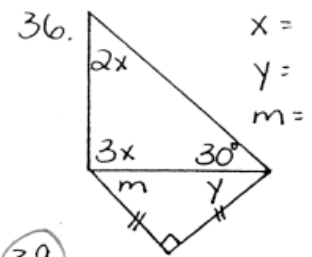
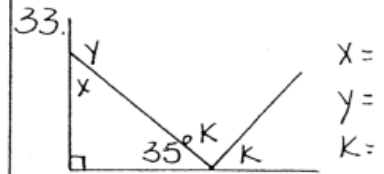
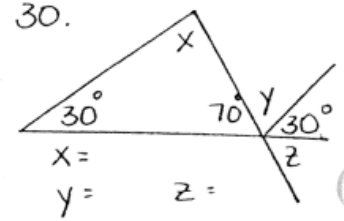
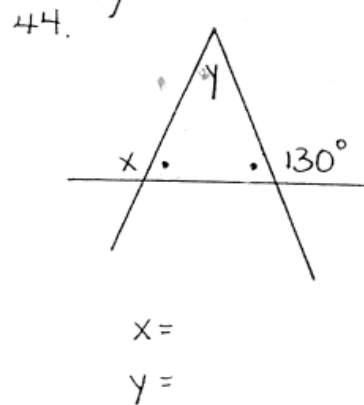
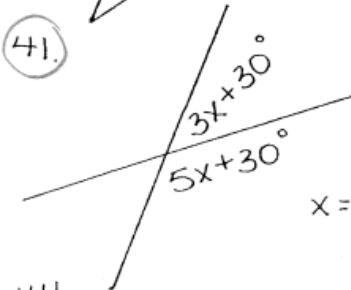
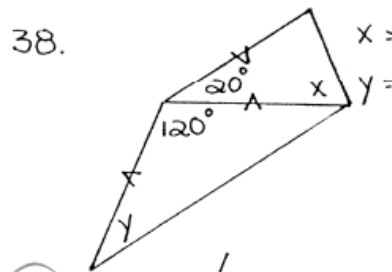
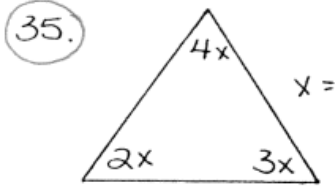
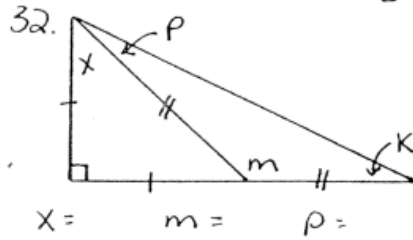
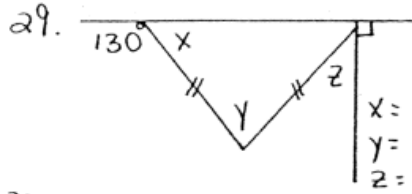
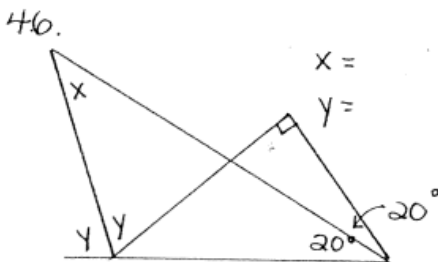
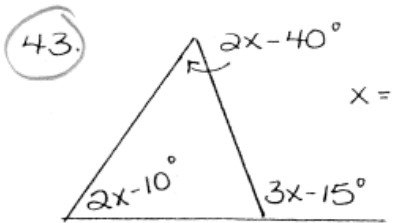
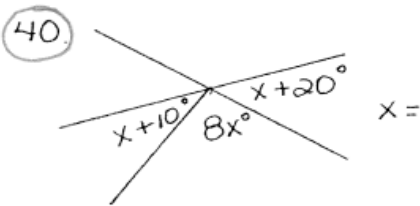
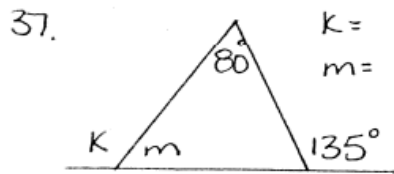
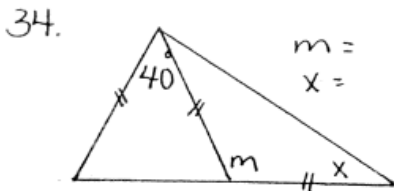
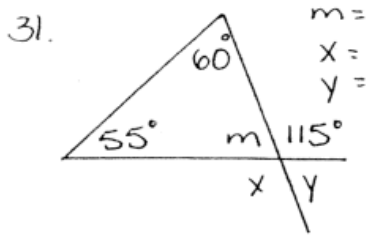
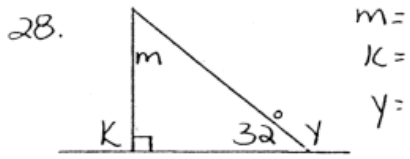


1. $x=120^\circ$ 2. $x=60^\circ, y=30^\circ$ 3. $x=60^\circ$ 4. $x=65^\circ, y=55^\circ$ 5. $x=50^\circ, y=50^\circ$ 6. $x=120^\circ$ 7. $x=50^\circ$ 8. $x=40^\circ, y=140^\circ, z=50^\circ$ 9. $x=40^\circ, y=95^\circ$
10. $x=45^\circ, y=60^\circ$ 11. $x=70^\circ, y=55^\circ, z=27.5^\circ$ 12. $x=29^\circ$ 13. $y=30^\circ$ 14. $x=140^\circ, y=40^\circ, z=140^\circ$ 15. $x=90^\circ$ 16. $x=73^\circ$ 17. $y=72^\circ$ 18. $x=60^\circ$
19. $x=70^\circ, y=70^\circ$ 20. $x=45^\circ, y=45^\circ$ 21. $x=40^\circ$ 22. $x=45^\circ, y=90^\circ$ 23. $x=60^\circ, y=60^\circ$ 24. $x=65^\circ, y=115^\circ$ 25. $x=20^\circ, y=120^\circ$ 26. $x=50^\circ$
27. $x=36^\circ$

* For all circled questions, set up an equation and solve on lined paper, showing all work. State each angle property used in your solution.



28. $m=70^\circ, k=90^\circ, y=148^\circ$ 29. $x=50^\circ, y=80^\circ, z=40^\circ$ 30. $x=80^\circ, y=80^\circ, z=70^\circ$ 31. $m=65^\circ, x=115^\circ, y=65^\circ$ 32. $x=45^\circ, m=135^\circ, p=22.5^\circ$
33. $x=55^\circ, y=125^\circ, k=72.5^\circ$ 34. $m=110^\circ, x=35^\circ$ 35. $x=20^\circ$ 36. $x=30^\circ, y=45^\circ, m=45^\circ$ 37. $k=125^\circ, m=55^\circ$ 38. $x=80^\circ, y=30^\circ$ 39. $x=30^\circ$
40. $x=15^\circ$ 41. $x=15^\circ$ 42. $x=20^\circ$ 43. $x=35^\circ$ 44. $x=130^\circ, y=80^\circ$ 45. $x=60^\circ, y=25^\circ, z=50^\circ$ 46. $x=45^\circ, y=65^\circ$