

Math (HS)

	Day	Date	Assignment/Video	Is it done?
19	Tuesday	4/14/2020	multiply with exponents	
20	Wednesday	4/15/2020	divide with exponents	
21	Thursday	4/16/2020	powers to powers	
22	Friday	4/17/2020	practice test 18	
24	Tuesday	4/21/2020	scientific notation	
25	Wednesday	4/22/2020	scientific notation add, subtract	
26	Thursday	4/23/2020	scientific notation multiply	
27	Friday	4/24/2020	scientific notation divide	
29	Tuesday	4/28/2020	practice test 19	
30	Wednesday	4/29/2020	foil	
31	Thursday	4/30/2020	factor gcf	
32	Friday	5/1/2020	factor 1	
	How many total did you do:			

Zoom sessions available upon request for those who need help

Name _____

Math, Multiplying with exponents

1. $(x^5)(x^3)$ _____

23. $(6x^8y^5z^3)(4x^3y^4z^9)$ _____

2. $(x^6)(x^4)$ _____

24. $(7x^4yz^6)(9x^2y^2z^7)$ _____

3. $(x)(3x^6)$ _____

25. $(8x^4y^2z^3)(8x^8yz^4)$ _____

4. $(5x^4)(6x)$ _____

26. $(9x^9y^6z^8)(x^5y^4z^5)$ _____

5. $(x^6)(3x^9)$ _____

27. $(x^3y^2z^2)(6x^3y^6z)$ _____

6. $(6x)(x^3)$ _____

28. $(6x^7y^3z^4)(5x^4y^3z^6)$ _____

7. $(7x^8)(6x^2)$ _____

29. $(4xy^2z^5)(4x^2y^3z^6)$ _____

8. $(8x^4)(9x^6)$ _____

30. $(2x^4y^4z^5)(3x^6y^3z^6)$ _____

9. $(6x^6)(4x)$ _____

31. $(x^8)(x^3)$ _____

10. $(4x^2)(8x^5)$ _____

32. $(x^3)(x^8)$ _____

11. $(x^5y^6)(7x^6y^6)$ _____

33. $(8x)(3x^6)$ _____

12. $(6xy^3)(6xy^3)$ _____

34. $(5x^4)(8x)$ _____

13. $(7xy^2)(5x^6y^8)$ _____

35. $(x^6)(4x^6)$ _____

14. $(8x^6y^9)(x^7y^9)$ _____

36. $(6x)(3x^3)$ _____

15. $(9x^2y)(3x^2y^7)$ _____

37. $(2x^8)(5x^2)$ _____

16. $(x^3y^5)(2x^5y^4)$ _____

38. $(8x^7y^2)(7x^6y)$ _____

17. $(5x^9y^6)(3x^8y^3)$ _____

39. $(5x^2y^4)(3x^3y^6)$ _____

18. $(4x^5y^2)(4x^8y)$ _____

40. $(6xy^5)(7x^8y^8)$ _____

19. $(3x^2y^3)(5x^3y^6)$ _____

41. $(2xy^2z^3)(3x^4y^6z^5)$ _____

20. $(2xy^3)(6x^8y^8)$ _____

42. $(x^8y^3z^7)(8x^5y^5z^7)$ _____

21. $(4xy^2z^5)(7x^4y^6z^5)$ _____

43. $(3x^8y^5z^5)(3x^3y^4z^9)$ _____

22. $(x^8y^3z^2)(x^5y^5z^7)$ _____

44. $(x^4yz^6)(7x^7y^2z^7)$ _____

Name _____

Math, Dividing with exponents

1. $(x^2) \div (x^4)$ _____

2. $(x^6) \div (x^8)$ _____

3. $(6x) \div (3x^6)$ _____

4. $(4x^4) \div (6x)$ _____

5. $(2x^6) \div (3x^6)$ _____

6. $(6x) \div (8x^4)$ _____

7. $(12x^8) \div (6x^2)$ _____

8. $(81x^3) \div (9x^6)$ _____

9. $(16x^6) \div (4x)$ _____

10. $(4x^2) \div (8x^5)$ _____

11. $(2x^5y^6) \div (7x^6y^6)$ _____

12. $(6xy^4) \div (xy^3)$ _____

13. $(35xy^2) \div (5x^2y^8)$ _____

14. $(8x^6y^9) \div (x^7y^9)$ _____

15. $(x^2y) \div (3x^2y^7)$ _____

16. $(10x^3y^3) \div (2x^2y^4)$ _____

17. $(5x^9y^6) \div (3x^8y^3)$ _____

18. $(4x^3y^2) \div (4x^6y)$ _____

19. $(30x^2y^3) \div (5x^4y^6)$ _____

20. $(21xy^2) \div (6x^8y^8)$ _____

21. $(14xy^2z^2) \div (7x^4y^6z^5)$ _____

22. $(2x^8y^3z^3) \div (5x^2y^2z^7)$ _____

23. $(6x^8y^2z^2) \div (10x^4y^4z^9)$ _____

24. $(27x^4yz^6) \div (9x^3y^2z^7)$ _____

25. $(80x^4y^2z^7) \div (8x^8yz^4)$ _____

26. $(9x^9y^6z^8) \div (5x^2y^4z^6)$ _____

27. $(x^4y^2z^2) \div (6x^4y^6z)$ _____

28. $(6x^7y^3z^4) \div (3x^2y^4z^6)$ _____

29. $(4xy^2z^2) \div (4x^2y^2z^6)$ _____

30. $(2x^4y^4z^2) \div (5x^6y^3z^6)$ _____

31. $(x^8) \div (x^2)$ _____

32. $(x^4) \div (x^8)$ _____

33. $(12x) \div (3x^6)$ _____

34. $(3x^4) \div (6x)$ _____

35. $(5x^6) \div (3x^6)$ _____

36. $(2x) \div (8x^5)$ _____

37. $(18x^6) \div (6x^6)$ _____

38. $(4x^3y^4) \div (4x^2y)$ _____

39. $(35x^2y^7) \div (5x^4y^6)$ _____

40. $(27xy^3) \div (6x^8y^4)$ _____

41. $(28xy^2z^3) \div (7x^4y^6z^5)$ _____

42. $(3x^8y^3z^8) \div (5x^7y^5z^7)$ _____

43. $(4x^8y^4z^5) \div (10x^4y^8z^9)$ _____

44. $(54x^2yz^6) \div (9x^7y^4z^7)$ _____

Name _____

Math, Powers to powers

- 1. $(x^5)^8$ _____
- 2. $(x^6)^6$ _____
- 3. $(6x)^2$ _____
- 4. $(4x^4)^3$ _____
- 5. $(2x^6)^4$ _____
- 6. $(6x)^2$ _____
- 7. $(12x^8)^2$ _____
- 8. $(11x^4)^2$ _____
- 9. $(6x^6)^3$ _____
- 10. $(4x^2)^3$ _____
- 11. $(2x^5y^6)^5$ _____
- 12. $(6xy^3)^3$ _____
- 13. $(3xy^2)^2$ _____
- 14. $(8x^6y^9)^3$ _____
- 15. $(x^2y)^7$ _____

- 16. $(10x^3y^5)^4$ _____
- 17. $(5x^9y^6)^3$ _____
- 18. $(4x^8y^2)^2$ _____
- 19. $(3x^2y^3)^3$ _____
- 20. $(xy^2)^7$ _____
- 21. $(4xy^2z^5)^3$ _____
- 22. $(2x^8y^3z^2)^4$ _____
- 23. $(x^8y^5z^9)^9$ _____
- 24. $(7x^4yz^6)^2$ _____
- 25. $(x^4y^2z^7)^7$ _____
- 26. $(9x^9y^6z^8)^2$ _____
- 27. $(x^3y^2z^3)^3$ _____
- 28. $(6x^7y^3z^4)^2$ _____
- 29. $(xy^2z^5)^3$ _____
- 30. $(2x^4y^4z^5)^6$ _____

Name _____

Practice Test 18

What do you do when multiplying?

22. $(5x^9y^6) + (3x^8y^3)$ _____

What do you do when dividing?

23. $(4x^5y^2) \div (4x^6y)$ _____

What do you do when taking a power to a power?

24. $(30x^2y^3) + (5x^3y^6)$ _____

1. $(x^5)(x^3)$ _____

25. $(21xy^2) + (6x^8y^8)$ _____

2. $(x^6)(x^8)$ _____

26. $(14xy^2z^5) + (7x^4y^6z^5)$ _____

3. $(x)(3x^6)$ _____

27. $(2x^8y^3z^2) + (5x^5y^5z^7)$ _____

4. $(5x^4)(6x)$ _____

28. $(6x^8y^5z^5) + (10x^3y^4z^9)$ _____

5. $(x^6)(3x^6)$ _____

29. $(27x^4yz^6) \div (9x^7y^7z^7)$ _____

5. $(x^3y^5)(2x^5y^4)$ _____

30. $(80x^4y^2z^7) \div (8x^8yz^4)$ _____

7. $(5x^9y^6)(3x^8y^3)$ _____

31. $(x^5)^8$ _____

3. $(4x^5y^2)(4x^6y)$ _____

32. $(x^6)^6$ _____

2. $(3x^2y^3)(5x^3y^6)$ _____

33. $(6x)^2$ _____

10. $(2xy^2)(6x^8y^8)$ _____

34. $(4x^4)^3$ _____

11. $(4xy^2z^5)(7x^4y^6z^5)$ _____

35. $(2x^6)^4$ _____

12. $(x^8y^3z^2)(x^5y^5z^7)$ _____

36. $(6x)^2$ _____

13. $(6x^8y^5z^5)(4x^3y^4z^9)$ _____

37. $(12x^8)^2$ _____

14. $(7x^4yz^6)(9x^7y^7z^7)$ _____

38. $(11x^4)^2$ _____

15. $(8x^4y^2z^7)(8x^8yz^4)$ _____

39. $(6x^6)^3$ _____

16. $(x^5) \div (x^3)$ _____

40. $(4x^2)^3$ _____

17. $(x^6) + (x^8)$ _____

41. $(4xy^2z^5)^3$ _____

18. $(6x) + (3x^6)$ _____

42. $(2x^8y^3z^2)^4$ _____

19. $(4x^4) + (6x)$ _____

43. $(x^8y^5z^5)^9$ _____

20. $(2x^6) + (3x^6)$ _____

44. $(7x^4yz^6)^2$ _____

21. $(10x^3y^5) + (2x^5y^4)$ _____

45. $(x^4y^2z^7)^7$ _____

Name _____

Math, Scientific Notation

Write the number in scientific notation.

1. 35 000 _____

2. 268 000 000 _____

3. 450 000 _____

4. 204 000 000 _____

5. 100 000 _____

6. 8 000 000 _____

7. 56 800 _____

8. 23 400 000 00 _____

9. 5 678 000 000 _____

10. 236 000 000 _____

11. .000 345 _____

12. .000 03456 _____

13. .00345 _____

14. .000 005 _____

15. .0045 _____

16. .000 12 _____

17. .000 0124 _____

18. .0052 _____

19. .000 007 _____

20. .00845 _____

Write the number as a standard number

21. 3578×10^5 _____

22. 8.499×10^{-7} _____

23. 6.6669×10^3 _____

24. 2.47×10^{-6} _____

25. 2.77×10^7 _____

26. 3.6×10^{-3} _____

27. 5.67×10^4 _____

28. 3×10^{-7} _____

29. 6.67×10^8 _____

30. 7.489×10^{-10} _____

31. 6.667×10^7 _____

32. 2×10^9 _____

33. 2.678×10^5 _____

34. 6.45×10^{-4} _____

35. 7.67×10^3 _____

36. 8.4×10^{-4} _____

37. 7.57×10^5 _____

38. 4×10^{-8} _____

39. 7.68×10^7 _____

40. 4.449×10^{-9} _____

Name _____

Math, Adding/Subtracting Scientific Notation

1. $(2 \times 10^4) + (7 \times 10^4)$ _____

2. $(3 \times 10^2) + (5 \times 10^2)$ _____

3. $(4 \times 10^4) + (2 \times 10^4)$ _____

4. $(5 \times 10^7) + (3 \times 10^7)$ _____

5. $(3 \times 10^9) + (5 \times 10^9)$ _____

6. $(7 \times 10^8) + (4 \times 10^8)$ _____

7. $(8 \times 10^7) + (3 \times 10^7)$ _____

8. $(9 \times 10^6) + (5 \times 10^6)$ _____

9. $(8 \times 10^5) + (9 \times 10^5)$ _____

10. $(7 \times 10^4) + (1 \times 10^4)$ _____

11. $(9 \times 10^4) + (2 \times 10^5)$ _____

12. $(8 \times 10^2) + (3 \times 10^3)$ _____

13. $(7 \times 10^4) + (4 \times 10^3)$ _____

14. $(6 \times 10^7) + (5 \times 10^8)$ _____

15. $(5 \times 10^9) + (6 \times 10^8)$ _____

16. $(9 \times 10^8) - (7 \times 10^8)$ _____

17. $(7 \times 10^7) - (8 \times 10^7)$ _____

18. $(3 \times 10^6) - (2 \times 10^6)$ _____

19. $(9 \times 10^5) - (8 \times 10^5)$ _____

20. $(7 \times 10^4) - (4 \times 10^4)$ _____

21. $(8 \times 10^4) - (6 \times 10^4)$ _____

22. $(5 \times 10^2) - (5 \times 10^2)$ _____

23. $(8 \times 10^4) - (4 \times 10^3)$ _____

24. $(6 \times 10^7) - (3 \times 10^6)$ _____

25. $(7 \times 10^9) - (2 \times 10^2)$ _____

26. $(8 \times 10^8) - (1 \times 10^7)$ _____

27. $(9 \times 10^7) - (2 \times 10^6)$ _____

28. $(8 \times 10^6) - (3 \times 10^5)$ _____

29. $(7 \times 10^5) - (4 \times 10^4)$ _____

30. $(6 \times 10^4) - (5 \times 10^3)$ _____

Name _____

Math, Multiplying Scientific Notation

1. $(2 \times 10^4)(9 \times 10^6)$ _____

2. $(3 \times 10^2)(8 \times 10^7)$ _____

3. $(4 \times 10^4)(2 \times 10^8)$ _____

4. $(5 \times 10^7)(6 \times 10^9)$ _____

5. $(3 \times 10^9)(3 \times 10^2)$ _____

6. $(2 \times 10^8)(4 \times 10^4)$ _____

7. $(8 \times 10^7)(3 \times 10^5)$ _____

8. $(9 \times 10^6)(2 \times 10^6)$ _____

9. $(8 \times 10^5)(9 \times 10^7)$ _____

10. $(7 \times 10^4)(1 \times 10^8)$ _____

11. $(9 \times 10^4)(2 \times 10^6)$ _____

12. $(8 \times 10^2)(3 \times 10^7)$ _____

13. $(7 \times 10^4)(4 \times 10^8)$ _____

14. $(6 \times 10^7)(5 \times 10^9)$ _____

15. $(5 \times 10^9)(6 \times 10^2)$ _____

16. $(4 \times 10^8)(7 \times 10^4)$ _____

17. $(3 \times 10^7)(8 \times 10^5)$ _____

18. $(2 \times 10^6)(9 \times 10^6)$ _____

19. $(1 \times 10^5)(8 \times 10^7)$ _____

20. $(2 \times 10^4)(7 \times 10^8)$ _____

21. $(3 \times 10^4)(6 \times 10^6)$ _____

22. $(4 \times 10^3)(5 \times 10^7)$ _____

23. $(5 \times 10^4)(4 \times 10^8)$ _____

24. $(6 \times 10^7)(3 \times 10^9)$ _____

25. $(7 \times 10^9)(2 \times 10^2)$ _____

26. $(8 \times 10^8)(1 \times 10^4)$ _____

27. $(9 \times 10^7)(2 \times 10^5)$ _____

28. $(8 \times 10^6)(3 \times 10^6)$ _____

29. $(7 \times 10^5)(4 \times 10^7)$ _____

30. $(6 \times 10^4)(5 \times 10^8)$ _____

Name _____

Math, Dividing Scientific Notation

1. $(1 \times 10^3) / (5 \times 10^1)$ _____
2. $(4 \times 10^2) / (2 \times 10^2)$ _____
3. $(9 \times 10^1) / (3 \times 10^3)$ _____
4. $(4 \times 10^2) / (5 \times 10^4)$ _____
5. $(6 \times 10^3) / (6 \times 10^7)$ _____
6. $(3 \times 10^4) / (6 \times 10^2)$ _____
7. $(2 \times 10^5) / (5 \times 10^8)$ _____
8. $(3 \times 10^6) / (8 \times 10^5)$ _____
9. $(6 \times 10^7) / (3 \times 10^8)$ _____
10. $(7 \times 10^8) / (8 \times 10^6)$ _____
11. $(3 \times 10^4) / (5 \times 10^1)$ _____
12. $(4 \times 10^5) / (2 \times 10^2)$ _____
13. $(6 \times 10^3) / (3 \times 10^3)$ _____
14. $(4 \times 10^5) / (2 \times 10^4)$ _____
15. $(6 \times 10^5) / (6 \times 10^7)$ _____

16. $(3 \times 10^6) / (2 \times 10^7)$ _____
17. $(4 \times 10^5) / (5 \times 10^3)$ _____
18. $(3 \times 10^4) / (8 \times 10^7)$ _____
19. $(9 \times 10^3) / (3 \times 10^8)$ _____
20. $(8 \times 10^2) / (8 \times 10^6)$ _____
21. $(1 \times 10^1) / (4 \times 10^3)$ _____
22. $(6 \times 10^2) / (2 \times 10^6)$ _____
23. $(6 \times 10^3) / (2 \times 10^4)$ _____
24. $(4 \times 10^4) / (8 \times 10^7)$ _____
25. $(6 \times 10^5) / (6 \times 10^5)$ _____
26. $(3 \times 10^9) / (6 \times 10^7)$ _____
27. $(4 \times 10^8) / (5 \times 10^3)$ _____
28. $(8 \times 10^7) / (4 \times 10^6)$ _____
29. $(3 \times 10^6) / (3 \times 10^7)$ _____
30. $(6 \times 10^4) / (8 \times 10^3)$ _____

Name _____

Practice Test 19

What is scientific notation?

What is its purpose?

How do you multiply?

How do you divide?

How do you add or subtract?

How do you adjust your answer if you need to adjust it?

Write the number in scientific notation.

1. 35 000 _____

2. 268 000 000 _____

3. 450 000 _____

4. 204 000 000 _____

5. 100 000 _____

6. .000 12 _____

7. .000 0124 _____

8. .0052 _____

9. .000 007 _____

10. .00845 _____

Write the number as a standard number

11. 3578×10^5 _____

12. 8.499×10^{-7} _____

13. 6.6669×10^3 _____

14. 2.47×10^{-6} _____

15. 2.77×10^7 _____

16. $(4 \times 10^8)(7 \times 10^4)$ _____

17. $(3 \times 10^7)(8 \times 10^5)$ _____

18. $(2 \times 10^6)(9 \times 10^6)$ _____

19. $(1 \times 10^5)(8 \times 10^7)$ _____

20. $(2 \times 10^4)(7 \times 10^8)$ _____

21. $(3 \times 10^4)(6 \times 10^6)$ _____

22. $(4 \times 10^2)(5 \times 10^7)$ _____

23. $(5 \times 10^4)(4 \times 10^8)$ _____

24. $(6 \times 10^7)(3 \times 10^9)$ _____

25. $(7 \times 10^9)(2 \times 10^2)$ _____

26. $(3 \times 10^6) / (2 \times 10^7)$ _____

27. $(4 \times 10^5) / (5 \times 10^3)$ _____

28. $(3 \times 10^4) / (8 \times 10^7)$ _____

29. $(9 \times 10^3) / (3 \times 10^8)$ _____

30. $(8 \times 10^2) / (8 \times 10^6)$ _____

31. $(1 \times 10^1) / (4 \times 10^3)$ _____

32. $(6 \times 10^2) / (2 \times 10^6)$ _____

33. $(6 \times 10^3) / (2 \times 10^4)$ _____

34. $(4 \times 10^4) / (8 \times 10^7)$ _____

35. $(6 \times 10^5) / (6 \times 10^5)$ _____

36. $(2 \times 10^4) + (7 \times 10^4)$ _____

37. $(3 \times 10^2) + (5 \times 10^2)$ _____

38. $(8 \times 10^7) + (3 \times 10^7)$ _____

39. $(9 \times 10^6) + (5 \times 10^6)$ _____

40. $(6 \times 10^7) + (5 \times 10^8)$ _____

41. $(5 \times 10^9) + (6 \times 10^8)$ _____

42. $(9 \times 10^8) - (7 \times 10^8)$ _____

43. $(7 \times 10^7) - (8 \times 10^7)$ _____

44. $(7 \times 10^5) - (4 \times 10^4)$ _____

45. $(6 \times 10^4) - (5 \times 10^3)$ _____

Name _____

Math, Foiling

1. $(4x + 5)(6x - 7)$ _____

16. $(6x + 7)(4x - 2)$ _____

2. $(3x - 4)(9x - 8)$ _____

17. $(x - 8)(7x - 4)$ _____

3. $(2x + 1)(3x + 5)$ _____

18. $(5x + 7)(4x + 5)$ _____

4. $(5x - 6)(x - 7)$ _____

19. $(5x - 8)(7x - 6)$ _____

5. $(6x^6 + 3)(5x^7 + 4)$ _____

20. $(7x^5 + 2)(3x^7 + 6)$ _____

6. $(9x + 6)(7x - 4)$ _____

21. $(x + 1)(4x - 6)$ _____

7. $(7x - 8)(3x - 2)$ _____

22. $(2x - 5)(5x - 8)$ _____

8. $(x + 7)(8x + 3)$ _____

23. $(3x + 5)(6x + 9)$ _____

9. $(3x - 4)(5x - 7)$ _____

24. $(7x - 4)(x - 7)$ _____

10. $(4x^6 + 5)(5x^3 + 7)$ _____

25. $(x^2 + 5)(8x^3 + 6)$ _____

11. $(x + 4)(5x - 6)$ _____

26. $(6x + 7)(9x - 2)$ _____

12. $(3x - 5)(6x - 8)$ _____

27. $(x - 6)(7x - 8)$ _____

13. $(6x + 5)(4x + 9)$ _____

28. $(7x + 7)(4x + 7)$ _____

14. $(7x - 8)(x - 9)$ _____

29. $(3x - 8)(5x - 6)$ _____

15. $(x^2 + 6)(4x^3 + 6)$ _____

30. $(9x^5 + 3)(4x^7 + 6)$ _____

Name _____

Math, Factoring a GCF

1. $9x + 12$ _____

21. $15x^3 + 25x^5$ _____

2. $14x - 18$ _____

22. $9x + 15$ _____

3. $18x^4 + 15x^7$ _____

23. $22x - 33$ _____

4. $8x + 16$ _____

24. $40x^3 + 56x^5$ _____

5. $14x - 21$ _____

25. $18x^3 + 12x^5$ _____

6. $12x^4 + 48x^5$ _____

26. $10x + 8$ _____

7. $3x + 15$ _____

27. $14x - 56$ _____

8. $18x - 6$ _____

28. $15x^6 + 25x^7$ _____

9. $14x^8 + 28x^5$ _____

29. $4x + 20$ _____

10. $5x + 15$ _____

30. $12x - 24$ _____

11. $18x - 21$ _____

31. $15x^4 + 25x^5$ _____

12. $10x^3 + 30x$ _____

32. $9x + 12$ _____

13. $18x + 12$ _____

33. $22x - 44$ _____

14. $30x - 24$ _____

34. $40x^3 + 64x^5$ _____

15. $18x^3 + 12x^5$ _____

35. $16x^3 + 12x^5$ _____

16. $10x + 5$ _____

36. $20x + 5$ _____

17. $14x - 70$ _____

37. $35x - 70$ _____

18. $15x^3 + 25x^5$ _____

38. $35x^3 + 25x^5$ _____

19. $8x + 20$ _____

39. $6x + 20$ _____

20. $16x - 24$ _____

40. $18x - 24$ _____

Name _____

Math, Factoring I (2020)

1. $x^2 + 8x + 12$ _____

21. $x^2 + 19x + 48$ _____

2. $x^2 - 11x + 18$ _____

22. $x^2 + 12x + 32$ _____

3. $x^2 + 10x + 21$ _____

23. $x^2 + 15x + 14$ _____

4. $x^2 - 9x + 20$ _____

24. $x^2 - 23x + 22$ _____

5. $x^2 + 10x + 24$ _____

25. $x^2 + 41x + 40$ _____

6. $x^2 - 13x + 36$ _____

26. $x^2 - 12x + 36$ _____

7. $x^2 + 16x + 28$ _____

27. $x^2 + 16x + 15$ _____

8. $x^2 - 11x + 30$ _____

28. $x^2 - 29x + 28$ _____

9. $x^2 + 13x + 42$ _____

29. $x^2 + 15x + 44$ _____

10. $x^2 - 8x + 16$ _____

30. $x^2 - 13x + 30$ _____

11. $x^2 + 7x + 10$ _____

31. $x^2 + 13x + 12$ _____

12. $x^2 - 13x + 30$ _____

32. $x^2 - 12x + 20$ _____

13. $x^2 + 10x + 25$ _____

33. $x^2 + 18x + 81$ _____

14. $x^2 - 13x + 12$ _____

34. $x^2 - 12x + 35$ _____

15. $x^2 + 16x + 15$ _____

35. $x^2 + 15x + 54$ _____

16. $x^2 - 10x + 24$ _____

36. $x^2 - 27x + 50$ _____

17. $x^2 + 19x + 48$ _____

37. $x^2 - 12x + 32$ _____

18. $x^2 - 18x + 32$ _____

38. $x^2 - 14x + 48$ _____

19. $x^2 + 16x + 60$ _____

39. $x^2 - 14x + 24$ _____

20. $x^2 - 13x + 22$ _____

40. $x^2 - 13x + 36$ _____