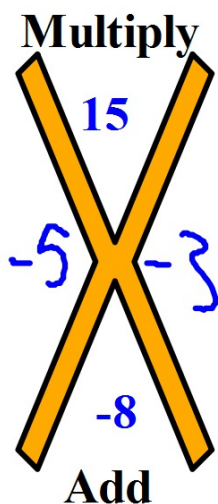
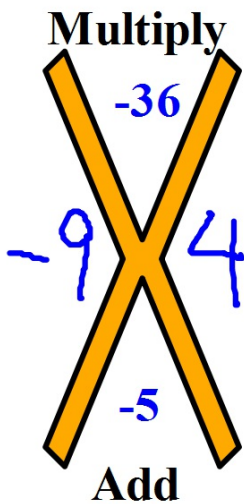


Algebra Lesson 8-1C
Adding and Subtracting Polynomials.

p.373 #24-27 all; 31-36 all
Challenge: 39, 40, 47-50



- | | |
|------------------------|-------------------------------|
| 24) $20x^2+7$ | 39) $28c - 16$ |
| 25) $10g^4+ 11g$ | 40) $39x - 7$ |
| 26) $6a^2-7a+21$ | 47) $-5b^9 + 3b^8 -4b^7 + 8b$ |
| 27) $8y^4+7y^3+4y$ | 48) $-5k^4+k^3-k^2+11$ |
| 31) $7n^4+n^3$ | 49) $5x+18$ |
| 32) $15x^5+x$ | 50) $9a-6$ |
| 33) $5w^2-4w+10$ | |
| 34) $-5x^4-x^3-7x^2+x$ | |
| 35) $18y^2 +5y$ | |
| 36) $-6x^3+3x^2-4$ | |

Due tomorrow: p. 373 #37, 38, 43-48 all. **Challenge: #53-55 all.**

24. $(8x^2 + 1) + (12x^2 + 6)$

25. $(g^4 + 4g) + (9g^4 + 7g)$

26. $(a^2 + a + 1) + (5a^2 - 8a + 20)$

27. $(7y^3 - 3y^2 + 4y) + (8y^4 + 3y^2)$

31. $(17n^4 + 2n^3) - (10n^4 + n^3)$

32. $(24x^5 + 12x) - (9x^5 + 11x)$

33. $(6w^2 - 3w + 1) - (w^2 + w - 9)$

34. $(-5x^4 + x^2) - (x^3 + 8x^2 - x)$

Simplify. Write each answer in standard form.

35. $(7y^2 - 3y + 4y) + (8y^2 + 3y^2 + 4y)$

36. $(2x^3 - 5x^2 - 1) - (8x^3 + 3 - 8x^2)$



$1g^4 + 9g^4 + 11g$

$10g^4 + 11g$

$$34. (-5x^4 + x^2) - (x^3 + 8x^2 - x)$$

$$\cancel{-5x^4} + \cancel{x^2} - \cancel{x^3} - \cancel{8x^2} + x$$

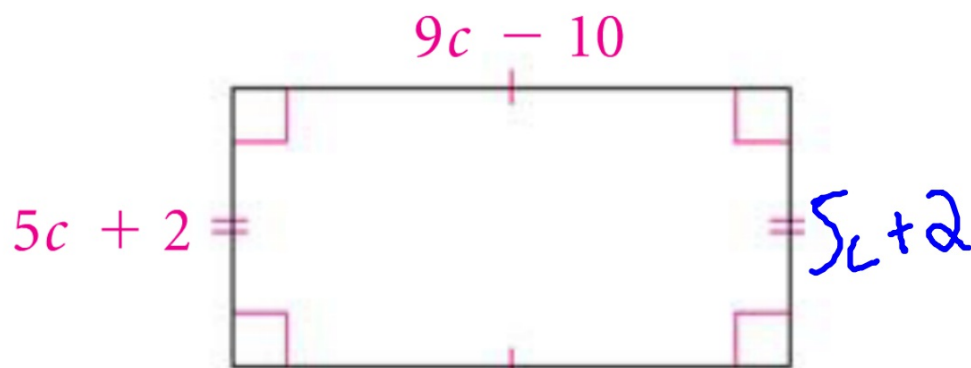
$$-5x^4 - x^3 - 7x^2 + x$$

1) Simplify $(4x^2 + 6x + 7) + (2x^2 - 9x + 1)$

$$6x^2 - 3x + 8$$

2) Simplify $(2x^3 + 5x^2 - 3x) - (x^3 + 8x^2 - 11)$.

$$x^3 + 13x^2 - 3x - 11$$



$$\begin{aligned}
 & (9c-10)(9c-10) + (5c+2)(5c+2) = 28c-16 \\
 & \quad \quad \quad (18c-20) + (10c+4) \\
 (2) & (3y^2 - 7y + 3) - (5y + 3 - 4y^2) + 1) \\
 & (3 + 5x^3 + 2x) - (x + 2x^2 + 4x^3) 1)
 \end{aligned}$$

$$37. (-7z^3 + 3z - 1) - (-6z^2 + z + 4)$$

$$38. (7a^3 - a + 3a^2) + (8a^2 - 3a - 4)$$

Simplify. Write each answer in standard form.

$$43. (x^3 + 3x) + (12x - x^4)$$

$$44. (6g - 7g^8) - (4g + 2g^3 + 11g^2)$$

$$45. (2h^4 - 5h^9) - (-8h^5 + h^{10})$$

$$46. (-4t^4 - 9t + 6) + (13t + 5t^4)$$

$$47. (8b - 6b^7 + 3b^8) + (2b^7 - 5b^9)$$

$$48. (11 + k^3 - 6k^4) - (k^2 - k^4)$$