Cosmo School

Practice Work Sheet

Add (1-15)

1. 2a+b,3a+b,5a+4b

2.-x+y+z, -y+x+z, -z+y+x

3 .5ax+2by-15cz , -11by-6ax-8cz ,3ax+8by-6cz

4.3g+2f-6h, -5f+4g+3h, 8f-6g+4h

5. $5x^3 - 2y^3$ and $7x^3 - 3y^3$

6. 3ab, -4bc, 2bc,18d,

7. $10d^2$, -8d, d^2

8. $11x^2$, $-21y^2$, $9x^2$, $11y^2$

9.a, 2b, 2c, -c, -b, 3a

10.3a, $4a^3$, $-5a^2$

11.$6m^2 + 7n^2$, $11n^2 + 4m^2$

12.9p + 7q, 2p + 5q

13.3b + 4c − d, 2d − c + 7b

14. x + y + 2z, 2y + z + x2p + 3q + 4c, 4q − 5p

15.Add 5x + 7 and 2x + 10

16 Subtract 24xy − 10y − 18x from 30xy + 12y + 14x

17.(a) What should be added to $x^2 + xy + y^2$ to obtain $2x^2 + 3xy$?

(b) What should be subtracted from 2a + 8b + 10 to get -3a + 7b + 16?

18. Subtract $x^2 + y^2 + 3xy$ from $4x^2 + 2xy - 3y^2$

19. What should be subtracted from $a^3 - 4a^2 + 5a - 6$ to obtain $a^2 - 2a + 1$?

20. Subtract $a^3 - 4a^2 + 5a - 6$ from the sum of $3a^3 + a^2 + 1$ and $a^2 - 2$?