

Answer Key — Step by Step

Expand

1. $3(x+4)=3x+12$

2. $5(y-2)=5y-10$

3. $2(a+6)=2a+12$

4. $4(2b-3)=8b-12$

5. $6(m+n)=6m+6n$

6. $7(p-5)+3p=7p-35+3p=10p-35$

7. $2(3x+4y-5)=6x+8y-10$

8. $4(x+2)-3(x-1)=4x+8-3x+3=x+11$

9. $5(2a-3b)-(a+b)=10a-15b-a-b=9a-16b$

10. $3(2x+5)-2(3x-1)=6x+15-6x+2=17$

Factor

11. $8x+4=4(2x+1)$

12. $9y+6=3(3y+2)$

13. $12a-8b=4(3a-2b)$

14. $5x+10=5(x+2)$

15. $14m+21n=7(2m+3n)$

16. $6p-9=3(2p-3)$

17. $18x+12y+6=6(3x+2y+1)$

18. $16a-12=4(4a-3)$

19. $20b+25=5(4b+5)$

20. $15k-5=5(3k-1)$