

<p>1. $3x+5x$ Combine like terms: $(3+5)x=8x$ Answer: $8x$</p>	<p>2. $7y-2y$ Combine like terms: $(7-2)y=5y$. Answer: $5y$</p>
<p>3. $4a+6+3a$ Combine like terms $4a+3a=7a$. Then keep constant: $7a+6$. Answer: $7a+6$</p>	<p>4. $5p+2-3p+7$ Combine like terms $5p-3p=2p$. Combine constants: $2+7=9$ Answer: $2p+9$</p>
<p>5. $9m+2n+3m-n$ Combine m-terms: $9m+3m=12m$. Combine n-terms: $2n-n=n$. Answer: $12m+n$</p>	<p>6. $2x+3y+4x+5y$ Combine x-terms: $2x+4x=6x$. Combine y-terms: $3y+5y=8y$. Answer: $6x+8y$</p>
<p>7. $6a-2b+4a+3b$ Combine a-terms: $6a+4a=10a$. Combine b-terms: $-2b+3b=b$. Answer: $10a+b$</p>	<p>8. $8k-5+3k+2$ Combine k-terms: $8k+3k=11k$. Combine constants: $-5+2=-3$. Answer: $11k-3$</p>
<p>9. $7r-2(r+3)$ Distribute: $-2(r+3)=-2r-6$. Then $7r-2r-6=5r-6$. Answer: $5r-6$</p>	<p>10. $5(x+4)+3x$ Distribute: $5(x+4)=5x+20$. Then $5x+20+3x=8x+20$. Answer: $8x+20$</p>

<p>11. $2(3y+5)$ Distribute: $2 \times 3y = 6y$ $2 \times 5 = 10$ Answer: $6y+10$</p>	<p>12. $4(2a-3)+a$ Distribute: $4(2a-3)=8a-12.$ Then $8a-12+a$ Answer:$9a-12$</p>
<p>13. $3(2x+1)-(x+4)$ Distribute: $3(2x+1)=6x+3$ Distribute minus: $-(x+4)=-x-4$ Then $6x+3-x-4=5x-1.$</p>	<p>14. $6m-3(2m-5)$ Distribute: $-3(2m-5)=-6m+15.$ $6m-6m+15=15.$ (the m-terms cancel)</p>
<p>15. $2n+4n+6n$ Combine like terms: $2n+4n+6n=12n$ Answer: $12n$</p>	<p>16. $10p-(3p+2)$ Distribute minus: $-(3p+2)=-3p-2$ Then $10p-3p-2=7p-2$</p>
<p>17. $5(x+2y)+2(x-y)$ Distribute: $5(x+2y)=5x+10y$ $2(x-y)=2x-2y$ Add: $5x+10y+2x-2y=7x+8y$ Answer: $7x+8y$</p>	<p>18. $4(3a+2b)-2(a+b)$ Distribute: $4(3a+2b)=12a+8b$ $-2(a+b)=-2a-2b$ Add: $12a+8b-2a-2b=10a+6b$</p>
<p>19. $7m+5n-3m+4n$ Combine m-terms: $7m-3m=4m$ $7m-3m = 4m$ $7m-3m=4m.$ Combine n-terms: $5n+4n=9n$ $\rightarrow 4m+9n$ Answer: $4m+9n$</p>	<p>20. $2(2x+3y-1)+3(x-y)$ Distribute: $2(2x+3y-1)=4x+6y-2$ $3(x-y)=3x-3y$ Add: $4x+6y-2+3x-3y=7x+3y-2$ Answer: $7x+3y-2$</p>