

D. Simplifie les expressions algébriques suivantes. Addition, soustraction, multiplication et division de polynômes.

<p>13. $2x + 3y - 1x - 2y$</p> <p>$x + y$</p>	<p>14. $x^2 + 2x + 4 + 2y^2 + 3x - 5$</p> <p>$x^2 + 2y^2 + 5x - 1$</p>	<p>14. $2xy + 3xy - xy + 3y + 3x^2 - 2x$</p> <p>$4xy + 3y + 3x^2 - 2x$</p>
<p>15. $\frac{1}{4}x + \frac{2}{3}x + \frac{1}{2}x + \frac{5}{6}x$</p> <p>$\frac{3}{12}x + \frac{8}{12}x + \frac{6}{12}x + \frac{10}{12}x$</p> <p>$= \frac{27x}{12} = 2\frac{3}{4}x = 2\frac{1}{4}x$</p>	<p>16. $(3x + 3) + (x - 4)$</p> <p>$4x - 1$</p>	<p>17. $(5x + 2) + (-4 - 3x)$</p> <p>$5x + 2 + (-4) + (-3x)$</p> <p>$2x - 2$</p>
<p>18. $(3x + 3) - (x - 4)$</p> <p>$3x + 3 - x + 4$</p> <p>$2x + 7$</p>	<p>19. $(5x + 2) - (-4 - 3x)$</p> <p>$5x + 2 + 4 + 3x$</p> <p>$8x + 6$</p>	<p>20. $(x^2 - 2) + (-4x^2 - 2) - (8x - 5)$</p> <p>$x^2 - 2 - 4x^2 - 2 - 8x + 5$</p> <p>$-3x^2 - 8x + 1$</p>
<p>21. $(-x)(-2x)$</p> <p>$2x^2$</p>	<p>22. $4s^6 \cdot 2a^2b^2$</p> <p>$8a^2b^2s^6$</p>	<p>23. $3(x + 2)$</p> <p>$3x + 6$</p>
<p>24. $-3x(x + 1)$</p> <p>$-3x^2 - 3x$</p>	<p>25. $-3a(a - 1b)$</p> <p>$-3a^2 + 3ab$</p>	<p>26. $-4ab(-a - b)$</p> <p>$+4a^2b + 4ab^2$</p>
<p>27. $3y(x - 2y - 2)$</p> <p>$3xy - 6y^2 - 6y$</p>	<p>28. $2rst(8r - 4s + 6t)$</p> <p>$16r^2st - 8rs^2t + 12rst^2$</p>	<p>29. $(x + 1)(x + 2)$</p> <p>$x^2 + 2x + 1x + 2$</p> <p>$x^2 + 3x + 2$</p>
<p>30. $(x - 7)(x - 9)$</p> <p>$x^2 - 9x - 7x + 72$</p> <p>$x^2 - 16x + 72$</p>	<p>31. $(x - 2)(x + 3)$</p> <p>$x^2 + 3x - 2x - 6$</p> <p>$x^2 + x - 6$</p>	<p>32. $(x - 4)(2x + 1)$</p> <p>$2x^2 + x - 8x - 4$</p> <p>$2x^2 - 7x - 4$</p>
<p>33. $(5x - 8)(4x + 5)$</p> <p>$20x^2 + 25x - 32x - 40$</p> <p>$20x^2 - 7x - 40$</p>	<p>34. $\frac{8k^2 + 2k^1}{2k^1}$</p> <p>$4k^1 + k^0$</p> <p>$= 4k + 1$</p>	<p>35. $\frac{2x^2 + 6x - 8}{2}$</p> <p>$x^2 + 3x - 4$</p>