(15) $x(x-y)$ $\quad x=-2,\ y=-4$ $\quad -2(-2-(-4)) = -2(-2+4) = +4-8 = -4$

(60) $a=2,\ b=3$ $\quad 2a(a^2+b^2) = 2a^3+2ab^2$

(82) $A = (x+y)\cdot\frac{h}{2}$

(83) $l\cdot\frac{h}{2} = A \quad l\cdot\frac{h}{2}\cdot 2 = A\cdot 2 \quad l\cdot\frac{h}{l} = A\cdot\frac{2}{l}$

$h = A\cdot\frac{2}{l}$ ←

(175) $m-(-2n)+(-m)+2m-3n = \cancel{m}+2n\cancel{-m}+2m-3n = 2m-n$

(180) $x-\left(\frac{1}{2}x-\frac{3}{2}x\right)-\left(-\frac{1}{2}y+5y\right)-2x-\frac{7}{2}y$

$x-\frac{1}{2}x+\frac{3}{2}x+\frac{1}{2}y-5y-2x-\frac{7}{2}y = \frac{+2-1+3-4}{2}x+\frac{1-10-7}{2}y$

$\frac{0}{2}x-\frac{16}{2}y = -8y$

(223) $(-2a^2b^2+3a^2b)(-ab^2+3ab^2)+\left(-\frac{3}{2}a^2b^2\right)\left(-\frac{4}{3}ab\right)$

$+2a^3b^3-\cancel{6a^3b^3}-\cancel{3a^3b^3}+\cancel{9a^3b^3}+2a^3b^3 = +4a^3b^3$

(248) $\frac{1}{64}a^6b^{12} \qquad 64a^6 \qquad 8x^{18}$

(275) $(-2xy)(-3xy)^2+(2xy)^3-10(-xy)^3$

$\cancel{-18x^3y^3}+\cancel{8x^3y^3}+\cancel{10x^3y^3} = 0$

(278) $(-2x^2)(x^2)^3+(2x^2)^4-(-2x)^3(+3x^2)+(5x)^2(-x)^3$

$-2x^8+16x^8+8x^3(3x^2)+(25x^2)\cdot(-x^3)$

$-2x^8+16x^8+24x^5-25x^5 = 14x^8-x^5$

(285) $\left(-\frac{1}{2}a^2b\right)^2(-4b)+(-2ab)^2(-3a^2b)+\frac{9}{4}a^7b^4-\left(-\frac{3}{2}a^2b\right)^3(-6ab)+(9a^2)(2a^5b^4)$

$-a^4b^3-12a^4b^3+\frac{9}{4}a^7b^4-\frac{162}{8}a^7b^4+18a^7b^4$

$-13a^4b^3+\left(\frac{18-162+144}{8}a^7b^4\right) = -13a^4b^3$

325 $\left(\frac{2}{3}x^6y^5\right):\left(-\frac{4}{15}x^4y^4\right)-2(-xy)(-x)+2xy(-3x)-\frac{3}{2}x^2y$

$-\frac{\overset{1}{\cancel{2}}}{\underset{1}{\cancel{3}}}\cdot\frac{\overset{5}{\cancel{15}}}{\underset{2}{\cancel{4}}}x^2y-2x^2y-6x^2y-\frac{3}{2}x^2y=\frac{-5-3}{2}x^2y-8x^2y=$

$-\frac{8}{2}x^2y-8x^2y=-12x^2y$

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326 $(-2x^5y^6z)^2:\left[\left(-\frac{5}{2}x^2y^3\right)\left(-\frac{2}{3}xy\right)\left(\frac{3}{10}xy^2z\right)\right]^2-(-2x)^4:x^2$

$4x^{10}y^{12}z^2:\left[\left(\frac{10}{6}x^3y^4\right)\left(\frac{3}{10}xy^2z\right)\right]^2-16x^4:x^2$

$4x^{10}y^{12}z^2:\left(+\frac{1}{2}x^4y^6z\right)^2-16x^2$

$4x^{10}y^{12}z^2:\frac{1}{4}x^8y^{12}z^2-16x^2$

$16x^2-16x^2=0$