> $expand((x-3)\cdot(2x^2+1))$

$$2x^3-6x^2+x-3 \quad \textbf{(1)}$$

> $expand((x+2)\cdot(3x^2))$

$$3x^3+6x^2 \quad \textbf{(2)}$$

> $expand((x-5)\cdot(3x^2+5))$

$$3x^3-15x^2+5x-25 \quad \textbf{(3)}$$

> $expand((x+1)\cdot(x-1)^2)$

$$x^3-x^2-x+1 \quad \textbf{(4)}$$

> $expand((x)\cdot(2x-1)^2)$

$$4x^3-4x^2+x \quad \textbf{(5)}$$

> $expand((x)\cdot(-2x^2-x+1))$

$$-2x^3-x^2+x \quad \textbf{(6)}$$

> $expand((x)\cdot(x^2+3))$

$$x^3+3x \quad \textbf{(7)}$$

> $expand((4x^2)\cdot(x-2))$

$$4x^3-8x^2 \quad \textbf{(8)}$$

> $expand((x^2)\cdot(4x-1))$

$$4x^3-x^2 \quad \textbf{(9)}$$

> $expand\left(24\cdot\left(x-\frac{1}{2}\right)\cdot\left(x+\frac{1}{3}\right)\cdot\left(x-\frac{1}{4}\right)\right)$

$$24x^3-10x^2-3x+1 \quad \textbf{(10)}$$

> $expand((x-0.1)\cdot(x+0.11)\cdot(x-2.2))$

$$x^3-2.19x^2-0.033x+0.0242 \quad \textbf{(11)}$$

> $expand\left(2\cdot(x+\mathrm{sqrt}(2))\cdot(x-\mathrm{sqrt}(2))\cdot\left(x+\frac{5}{2}\right)\right)$

$$2x^3+5x^2-4x-10 \quad \textbf{(12)}$$

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