$$(7x^2y^2 - 6x^3 + xy) - (5x^2y^2 - x^3 + xy + x)$$

$$7x^2y^2 - 6x^3 + xy - 5x^2y^2 + x^3 - xy - x$$

$$-5x^3 + 2x^2y^2 - x$$

$$(4p^2q^2 + 2p^2q - 7pq) - (9p^2q^2 + 5pq^2 - 11pq)$$

$$4p^2q^2 + 2p^2q - 7pq - 9p^2q^2 - 5pq^2 + 11pq$$

$$-5p^2q^2 + 2p^2q + 4pq - 5pq^2$$

$$(3x + 4)(x^2 - 2x - 1)$$

$$3x^3 - 6x^2 - 3x$$
$$\underline{4x^2 - 8x - 4}$$
$$3x^3 - 2x^2 - 11x - 4$$

$$(2x + 3)(x - 6)(x + 1)$$

$$(2x^2 - 9x - 18)(x + 1)$$

$$2x^3 - 9x^2 - 18x$$
$$\underline{2x^2 - 9x - 18}$$
$$2x^3 - 7x^2 - 27x - 18$$

$$(2x - 1)(x + 5)(x - 2)$$

$$(2x - 1)(x^2 + 3x - 10)$$

$$2x^3 + 6x^2 - 20x$$
$$\underline{-x^2 - 3x + 10}$$
$$2x^3 + 5x^2 - 23x + 10$$

$$(2x + 3)(x^2 - 5x - 6)$$

$$2x^3 - 10x^2 - 12x$$
$$\underline{3x^2 - 15x - 18}$$
$$2x^3 - 7x^2 - 27x - 18$$

$(xy - 1)(xy + 6)(xy - 8)$

$(x^2y^2 + 6xy - xy - 6)(xy - 8)$

$(x^2y^2 + 5xy - 6)(xy - 8)$

$$x^3y^3 + 5x^2y^2 - 6xy$$
$$\underline{\quad - 8x^2y^2 - 40xy + 48}$$
$$x^3y^3 - 3x^2y^2 - 46xy + 48$$

$(xy)(xy) = x \cdot x \quad y \cdot y$
$$x^2y^2$$

$(3x^2 + 5y^3)(3x^2 - 5y^3)$

$9x^4 - 15\cancel{x^2y^5} + 15\cancel{x^2y^3} - 25y^6$

$\quad\quad 9x^4 - 25y^6$

$y^3 \cdot y^3 = y^6$

$\quad -15x^2y^3$

$(2x^2 + y^3)^2 = (2x^2 + y^3)(2x^2 + y^3)$

$\quad\quad 4x^4 + 2x^2y^3 + 2x^2y^3 + y^6$

$\quad\quad 4x^4 + 4x^2y^3 + y^6$

$(x+y)^3$

$(x^3+y^2)^6$

$(x+y)(x+y)(x+y)$

$(x+y)(x^2+2xy+y^2)$

$$x^3 + 2x^2y + xy^2$$
$$ x^2y + 2xy^2 + y^3$$
$$\overline{x^3 + 3x^2y + 3xy^2 + y^3}$$

$$(x^3+y^2)^6$$

$$(x^3+y^2)(x^3+y^2)(x^3+y^2)(x^3+y^2)(x^3+y^2)(x^3+y^2)$$

$$(x^6+2x^3y^2+y^4)\ (x^6+2x^3y^2+y^4)\ (x^6+2x^3y^2+y^4)$$

$$x^{12}+2x^9y^2+x^6y^4$$
$$2x^9y^2+4x^6y^4+2x^3y^6$$
$$x^6y^4+2x^3y^6+y^8$$

$$(x^{12}+4x^9y^2+6x^6y^4+4x^3y^6+y^8)(x^6+2x^3y^2+y^4)$$

$$x^{18}+4x^{15}y^2+6x^{12}y^4+4x^9y^6+x^6y^8$$
$$2x^{15}y^2+8x^{12}y^4+12x^9y^6+8x^6y^8+2x^3y^{10}$$
$$x^{12}y^4+4x^9y^6+6x^6y^8+4x^3y^{10}+y^{12}$$

$$x^{18}+6x^{15}y^2+15x^{12}y^4+20x^9y^6+15x^6y^8+6x^3y^{10}+y^{12}$$