Simplifying: $xy + yx$

$$xy + xy$$
$$xy + xy$$
$$2xy$$

Simplifying: $yx + xy$

$$xy + xy$$
$$xy + xy$$
$$2xy$$

Simplifying: $xy + 2xy$

$$2xy + xy$$
$$2xy + xy$$
$$3xy$$

Simplifying: $2xy + xy$

$$2xy + xy$$
$$2xy + xy$$
$$3xy$$

Simplifying: $3xy + 4xy$

$$3xy + 4xy$$
$$3xy + 4xy$$
$$7xy$$

Simplifying: $4xy + 3xy$

$$3xy + 4xy$$
$$3xy + 4xy$$
$$7xy$$

Simplifying: $axy + 3xy$

$$3xy + axy$$
$$3xy + axy$$
$$(3 + a)xy$$

Simplifying: $3xy + axy$

$$3xy + axy$$
$$3xy + axy$$
$$(3 + a)xy$$

Simplifying: $bxy + axy$

$$axy + bxy$$
$$axy + bxy$$
$$(a + b)xy$$

Simplifying: $axy + bxy$

$$axy + bxy$$
$$axy + bxy$$
$$(a + b)xy$$

Simplifying: $axy + axy$

$$axy + axy$$
$$axy + axy$$
$$2axy$$

Simplifying: $abx + cdx$

$$abx + cdx$$
$$abx + cdx$$
$$x(ab + cd)$$

Simplifying: $dcx + bax$

$$abx + cdx$$
$$abx + cdx$$
$$x(ab + cd)$$

Simplifying: $abcmnjuv + ghcmnjyz$

$$abcjmnuv + cghjmnyz$$
$$abcjmnuv + cghjmnyz$$
$$cjmn(abuv + ghyz)$$

Simplifying: $xx + xx$

$$xx + xx$$
$$xx + xx$$
$$xx + x^2$$
$$x^2 + x^2$$
$$2x^2$$

Simplifying: $x^2 + x^2$

$$x^2 + x^2$$
$$x^2 + x^2$$
$$2x^2$$

Simplifying: $xx + x^2$

$$xx + x^2$$
$$xx + x^2$$
$$x^2 + x^2$$
$$2x^2$$

Simplifying: $x^2 + xx$

$$xx + x^2$$
$$xx + x^2$$
$$x^2 + x^2$$
$$2x^2$$

Simplifying: $x^2 + 2x^2$

$$2x^2 + x^2$$
$$2x^2 + x^2$$
$$3x^2$$

Simplifying: $2x^2 + x^2$

$$2x^2 + x^2$$
$$2x^2 + x^2$$
$$3x^2$$

Simplifying: $3x^2 + 4x^2$

$$3x^2 + 4x^2$$
$$3x^2 + 4x^2$$
$$7x^2$$

Simplifying: $4x^2 + 3x^2$

$$3x^2 + 4x^2$$
$$3x^2 + 4x^2$$
$$7x^2$$

Simplifying: $ax^2 + x^2$

$$ax^2 + x^2$$
$$ax^2 + x^2$$
$$(1 + a)x^2$$

Simplifying: $x^2 + ax^2$

$$ax^2 + x^2$$
$$ax^2 + x^2$$
$$(1 + a)x^2$$

Simplifying: $ax^2 + bx^2$

$$ax^2 + bx^2$$
$$ax^2 + bx^2$$
$$(a + b)x^2$$

Simplifying: $3x^2 + ax^2$

$$3x^2 + ax^2$$
$$3x^2 + ax^2$$
$$(3 + a)x^2$$

Simplifying: $ax^2 + 3x^2$

$$3x^2 + ax^2$$
$$3x^2 + ax^2$$
$$(3 + a)x^2$$

Simplifying: $ayx^2 + byx^2$

$$ayx^2 + byx^2$$
$$ayx^2 + byx^2$$
$$(a + b)yx^2$$

Simplifying: $byx^2 + ayx^2$

$$ayx^2 + byx^2$$
$$ayx^2 + byx^2$$
$$(a + b)yx^2$$

Simplifying: $a(xy)^2 + b(xy)^2$

$$a(xy)^2 + b(xy)^2$$
$$ax^2y^2 + b(xy)^2$$
$$ax^2y^2 + bx^2y^2$$
$$ax^2y^2 + bx^2y^2$$
$$bx^2y^2 + a(xy)^2$$
$$a(xy)^2 + b(xy)^2$$
$$(a+b)(xy)^2$$

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

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

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

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

Simplifying: $(axy)^2 + b^2x^2y^2$

$$b^2x^2y^2 + (axy)^2$$
$$a^2x^2y^2 + b^2x^2y^2$$
$$a^2x^2y^2 + b^2x^2y^2$$
$$b^2x^2y^2 + (axy)^2$$
$$(axy)^2 + (bxy)^2$$

Simplifying: $b^2x^2y^2 + (axy)^2$

$$b^2x^2y^2 + (axy)^2$$
$$a^2x^2y^2 + b^2x^2y^2$$
$$a^2x^2y^2 + b^2x^2y^2$$
$$b^2x^2y^2 + (axy)^2$$
$$(axy)^2 + (bxy)^2$$

Simplifying: $(5xy)^2 + 7^2x^2y^2$

$$7^2x^2y^2 + (5xy)^2$$
$$5^2x^2y^2 + 7^2x^2y^2$$
$$5^2x^2y^2 + 7^2x^2y^2$$
$$25x^2y^2 + 7^2x^2y^2$$
$$7^2x^2y^2 + 25(xy)^2$$
$$49x^2y^2 + 25(xy)^2$$
$$25(xy)^2 + 49(xy)^2$$
$$74(xy)^2$$