

1. $(A^2 + AB - 3B^2) + (4A^2 - AB + B^2)$

2. $(x^2 + xy - 2y^2) - (5x^2 - xy + y^2)$

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

4. $-\frac{1}{3}m(6m + 9) - 5(2m^2 + 7m - 2)$

5. $\frac{3}{5}y(10y + 25) - \frac{2}{3}(9y^2 + 6y - 12)$

6. $\frac{2}{3}x^2y(6xy + 12y) - \frac{4}{7}(14y + 28xy - 7)$

7. $2m(3m^2 - 5m + 7) - 11m(m - 3) + \frac{2}{5}(10m^2 + 25)$

8. $3t(3t^2 - 2m + 1) - 6t(t + 5) + \frac{4}{11}(22t^2 + 55)$

9. $4z^2(z - 7) - 5z(z^2 - 2z - 3) + 4z(3z + 6)$