

Section 2.4 – Factoring by Grouping

Problem Set 3

Factor the following expressions.

- $-60x^{14} - 60x^8 - 100x^6 - 100$
- $-66w^{10} - 6w^7 - 99w^3 - 9$
- $-56x^{12} - 70x^9 - 56x^3 - 70$
- $48w^{13} + 48w^{10} - 8w^7 - 8w^4$
- $27s^{13} + 90s^{12} + 15s + 50$
- $-6b^{13} + 6b^8 + 10b^5 - 10$
- $70w^{16} + 56w^{10} + 100w^6 + 80$
- $-28b^{10} + 70b^8 - 36b^2 + 90$
- $-15b^9 - 24b^7 + 20b^2 + 32$
- $-35w^6 - 50w^5 + 56w + 80$
- $70w^4 - 60w^3 - 70w + 60$
- $8b^{11} + 40b^6 - 8b^5 - 40$
- $48x^{15} + 42x^{11} + 80x^4 + 70$
- $-60x^9 + 96x^6 + 30x^3 - 48$
- $-45s^7 + 50s^5 - 90s^3 + 100s$