

2) $2m-5n$	10) $3x+9$	42) $4x^2y-4xy^2-y^3$
4) $3n^2+3n$	12) $6n-10$	44) $3p^2q-3pq^2$
6) $-2p^2q+3q^3$	14) $2p+6q-12$	$\{-1\}$
8) $3x^3-3x^2+4x^2y+xy^2$	16) $6-4n-2n^2$	$\{3\}$
10) $5x+5$	18) $10p^2-10pq+10q^2$	$\{0\}$
12) $8n-2$	20) $4p-4q-5$	$\{4\}$
14) $-6p+2q-2$	22) $5m+2$	$\{2\}$
16) $2-2n-8n^2$	24) $2a-5b+2$	\mathbb{R}
18) $6p^2+2q^2$	26) $3y-6$	
20) $2x^4y-2$	28) $2y^2+4y-9$	

4) $\underline{1n^2} - \underline{4n} - \underline{3n^2} + \underline{7n} + \underline{5n^2}$
 $3n^2 + 3n$ 10) $(\underline{4x+7}) + (\underline{x-2})$
 $5x+5$

8) $\underline{-3x^2} + \underline{7x^2y} - \underline{x^3} + \underline{xy^2} + \underline{4x^3} - \underline{3x^2y}$
 $3x^3 - 3x^2 + 4x^2y + xy^2$

20) $(\underline{7x} - \underline{6y} + \underline{4z} - 1) + (\underline{-3x} + \underline{3y} - \underline{5z} + 3) + (\underline{-2x} - \underline{1y} + \underline{z} - 4)$
 $2x - 4y - 2$

40) $(y^2 - 3y - 5) - (-y^2 - 7y + 4)$
 $y^2 - 3y - 5 + y^2 + 7y - 4$
 $2y^2 + 4y - 9$

46) $z - (4z - 5) = 8$
 $z - 4z + 5 = 8$
 $-3z + 5 = 8$
 $-3z + 5 - 5 = 8 - 5$
 $\underline{-3z} = \underline{3}$
 $\underline{-3} = \underline{-3}$

44) $(2p^2q - 3pq^2 + q^3) - (-p^2q + q^3)$
 $2p^2q - 3pq^2 + q^3 + p^2q - q^3$
 $3p^2q - 3pq^2$

46) $z - (4z - 5) = 8$
 $z - 4z + 5 = 8$
 $-3z + 5 = 8$
 $-3z + 5 - 5 = 8 - 5$
 $\underline{-3z} = \underline{3}$
 $\underline{-3} = \underline{-3}$

$z = -1$
 $\{-1\}$

54) $y(2-y) = 6 - (y^2 + 3y - 4)$
 $2y - y^2 = 6 - y^2 - 3y + 4$
 $-y^2 + 2y = -y^2 - 3y + 10$
 $\underline{-y^2} + \underline{2y} = \underline{-y^2} - \underline{3y} + \underline{10}$
 $2y = -3y + 10$
 $2y + 3y = -3y + 3y + 10$
 $\underline{5y} = \underline{10}$
 $\underline{5} = \underline{5}$
 $y = 2$
 $\{2\}$

$3x^2 + 4xy^3$
 $3x^2 + 5x^2y + 4xy^3$