

S4 National 4 Homework

Week 9

Monday

Multiply out the brackets and simplify:

1. $3(h - 5)$
2. $4r(r - 3)$
3. $2(j + 4) - 3$
4. $3 - 5(n - 3)$
5. $12 + 4(g - 7) + 10$
6. $7(f - 2) + 2(f + 4)$
7. $4(w + 3) - 2(w - 1)$
8. $10 - 5(k + 1) - 4(k - 2)$

Tuesday

Multiply out the brackets and simplify:

1. $7(r + 2)$
2. $7g(g - 3)$
3. $9(u + 2) - 12$
4. $4 - 2(p + 1)$
5. $12 - 3(p - 1) + 4$
6. $4(k - 3) + 2(k - 1)$
7. $7(d - 7) - 2(d - 3)$
8. $14 - 3(h - 2) - 3(h - 1)$

Thursday

Multiply out the brackets and simplify:

1. $(x + 5)(x - 2)$
2. $(a + 4)(a - 7)$
3. $(m + 4)(m + 2)$
4. $(2x + 5)(x + 3)$
5. $(3p + 2)(2p + 5)$
6. $(4x - 1)(2x - 3)$
7. $(x + 4)(x^2 + 3x + 5)$
8. $(a - 3)(a^2 + 2a - 7)$

Extension

Multiply out the brackets and simplify:

1. $(x - 3)(x - 5)$
2. $(a + 4)(a - 6)$
3. $(m + 2)(m - 7)$
4. $(2a + 3)(a - 5)$
5. $(4x + 3)(3x - 1)$
6. $(x + 4)(x^2 + 3x - 5)$
7. $(a + 5)(2a^2 - 3a + 5)$
8. $(2m + 1)(3m^2 - 4m + 2)$