

HOMEWORK 9 Term 3 Sheet 1 advanced

<p>1. Expand:</p> $6(2x+3) =$ $-4(x-5) =$ $x(3+2x) =$ $-2m(m-5) =$	<p>2. Expand &amp; simplify:</p> $3(x+5) - 2(x-1)$ $=$ $6k(2k+3) - k(3k-1)$ $=$	<p>3.</p> $(x+4)(x+7)$ $=$ $(x-5)(x+3)$ $=$ $(x-6)(x-2)$ $=$
<p>4.</p> $(2x+5)(3x+2)$ $=$ $(3x-1)(4x+3)$ $=$	<p>5.</p> $(x+8)(x-8)$ $=$ $(5-e)(5+e)$ $=$ $(2x+3)(2x-3)$ $=$	<p>6.</p> $(x+7)(x+7)$ $=$ $(e-5)^2$ $=$ $(2x+3)^2$ $=$
<p>7. Factorise:</p> $6x+10 =$ $8y-12 =$ $-7e-28 =$ $-15a-10b-5c$ $=$	<p>8. Factorise:</p> $y^2-3y =$ $3x^2-12x =$ $x(x-4)+5(x-4)$ $=$	<p>9. Factorise:</p> $x^2-16 =$ $9y^2-25 =$ $3a^2-12$ $=$