

## HW WORKSHEET

<b>CLASS</b>	<b>VIII</b>
<b>SUBJECT</b>	<b>MATHEMATICS</b>
<b>DATE OF HW</b>	<b>26 JANUARY 2024</b>
<b>DATE OF SUBMISSION</b>	<b>29 JANUARY 2024</b>
<b>Chapter/Topic</b>	<b>FACTORISATION</b>

1.	<p><b>a) The common factor 12y and 30 is</b></p> <ul style="list-style-type: none"> <li>A. 6</li> <li>B. 12</li> <li>C. 30</li> <li>D. 6y.</li> </ul> <p><b>b) The factors of <math>6xy - 4y + 6 - 9x</math> are:</b></p> <ul style="list-style-type: none"> <li>A. <math>(3x + 2)(2y + 3)</math></li> <li>B. <math>(3x - 2)(2y - 3)</math></li> <li>C. <math>(3x - 2)(2y + 3)</math></li> <li>D. <math>(3x + 2)(2y - 3)</math></li> </ul> <p><b>c) The factorisation of <math>a(x + y + z) + b(x + y + z) + c(x + y + z)</math> is</b></p> <ul style="list-style-type: none"> <li>A. <math>(a + b + c)(x + y + z)</math></li> <li>B. <math>(ab + bc + ca)(x + y + z)</math></li> <li>C. <math>(xy + yz + zx)(a + b + c)</math></li> <li>D. none of these</li> </ul> <p><b>d) The factors of <math>49p^2 - 36</math> are:</b></p> <ul style="list-style-type: none"> <li>A. <math>(7p+6)^2</math></li> <li>B. <math>(7p-6)^2</math></li> <li>C. <math>(7p - 6) ( 7p + 6)</math></li> </ul>	4
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	D. None of the above	
<b>Q2</b>	Factorise $25x^2 - 9$	<b>2</b>
<b>Q3</b>	Factorise $(l + m)^2 - 4lm$	<b>2</b>
<b>Q4</b>	Factorise $4y^2 - 12y + 9$	<b>2</b>