Please answer the following questions:

1. Choose and circle the correct expression for each phrase. (4 marks K/U)
2. 4 less than a number, *n*
   1. n + 4
   2. n – 4
   3. 4 – n
3. 5 time than a number, *k*
   1. k + 5
   2. k – 5
   3. 5k
4. Joyce earns $12/h working at McDonalds. Let *t* stand for the number of hours Joyce worked. Which expression stands for the amount of money she earned?
   1. t + 12
   2. t – 12
   3. 12t
   4. 12 – t
5. A number, *m*, divided by 5
   1. 5m
   2. 
   3. 
6. The Leafs lost 3 fewer games than they won. Suppose you know how many games they won. Which expression stands for the number of games lost? Let *w* represent the number of games they won. (1 mark K/U)

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| a) *w* + 3 |
| b) *w* – 3 |
| c) 3 + *w* |

1. Write an expression for each phrase. (3 marks Com)
2. 1 more than triple a number
3. 3 less than 7 times a number
4. 5 times a number decreased by double another
5. For each algebraic expression, substitute n = 1,2,3,4, and 5 to generate a number pattern. Describe the pattern of “term values”. (4 marks T/I)
6. *n* + 5

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| **Term Number** | 1 | 2 | 3 | 4 | 5 |
| **Term Value** |  |  |  |  |  |

1. -5*n* + 15

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| --- | --- | --- | --- | --- | --- |
| **Term Number** | 1 | 2 | 3 | 4 | 5 |
| **Term Value** |  |  |  |  |  |

1. Evaluate each expression when *m* =2 and *p* = -6 (2 marks K/U)

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| a) 2*m* + *p* | b) 2*m* -2*p* |

1. Evaluate each expression when *m* =  and *p* = 2 (2 marks K/U)

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| a) 2*mp* | b) 2*p* - *m* |

1. Solve each equation and verify the solution. (3 marks K/U)

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| a) 3*x* - 2 = 4 | b) 4*x* =16 |
| c) 4*x* -2*x* =2 |  |

1. Expand using the distributive property ( 2 marks k/u)

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| a) 6(12 + 6y) | b) 10(x + 2) |

1. Angela goes to the store and buys 3 candy canes. She spends $12. ( 3 marks App)
2. Write an equation to represent Angela’s purchase. (Define the variables)

b) How much did each candy cane cost?

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| **Marking Scheme** | | | | |
| **Knowledge** | **Thinking** | **Communication** | **Application** | **TOTAL** |
| **/12** | **/6** | **/3** | **/4** | **/25** |
| **Comments:** | | | | |