**Writing Expressions**

**Write the following expressions in algebraic form.**

|  |  |
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| 1. 9 more than c  | 2. b minus 4  |
| 3. the quotient of z and 9  | 4. the total of n and 40  |
| 5. the sum of 8 and m  | 6. x divided by 5  |
| 7. the difference of h and 7  | 8. 23 less than p  |
| 9. the product of g and 2  | 10. 77 plus twice v  |
| 11. two times r increased by 12  | 12. 3 times j decreased by 12  |

**Simplifying Expressions**

**Identify the coefficient and constant(s) in expressions listed below:**

|  |  |
| --- | --- |
| 1. 8x + 9 – 3x | 2. 17 – 2a + 5a - 1 |
| Coefficient(s):  | Coefficient(s):  |
| Constant(s): | Constant(s):  |

**Steps to Simplifying an Expression:**

1. **Distribute to get rid of any parenthesis**
2. **Combine like terms**
3. **Put terms with variables in abc order and constants at the end.**

**Simplify the following expressions:**

|  |  |
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| 1. 3(4x – 5) | 2. -4(x – 2) |
| 3. 7(b – 10) | 4. 2(b-3) + 4(2b + 2) |
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| 7. -5(-8g – 3) – (5g + 3) | 8. 4(2a + b) – 3(3a – 4b) |

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