**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:**

|  |  |
| --- | --- |
| 1. 3(4x – 5) | 2. -4(x – 2) |
| 3. 7(b – 10) | 4. 2(b-3) + 4(2b + 2) |
| 5. 5(-3y + 5) | 6. –(7y – 4) |
| 7. -5(-8g – 3) – (5g + 3) | 8. 4(2a + b) – 3(3a – 4b) |

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