**EXERCICES SUPPLEMENTAIRES : 3E**

1. Réduis si possible les expressions suivantes

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| 2a . 3b = ………………….. | 5x² - 3x² = ………………….. | 3b . ( -b²) = ……………………. |
| 2a . (-3b) = ……………….. | 4x – x = …………………….. | 3b – b² = ………………………. |

1. Complète les égalités

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| 15a = 5a + ……………… | 6a = 6a + ……………….. | 8a² = 2a . ………………. |
| 20a = 5a . ……………… | 4a = 5a - ………………… | 10 a²b = 5ab . …………… |

1. Réduis les produits suivants

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| 2a . ( -3b) = …………………….. | ­­6a . (-8x) . 2a = …………………………… |
| - 4a . (-2b) = ……………………. | 4a² . (-2x) . (-6x) = …………………………. |
| 2x . ( -8x²) = …………………….  (-4ab ) . ( -4ab ) = ……………….  2a . (-2b ) = ……………………… | 3a . a² . 5b² . (-2x) = …………………………  (-5x²) . 3a . (-5ax ) = ………………………  4x . (-2y ) . (-2z²) = …………………………. |
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1. Réduis les termes semblables
2. 5ab – 4 + 3ab – 1 + ab = …………………………………………………………………
3. x² – 1 – 3x² + 8 = …………………………………………………………………………
4. – 7 + bc – 4a + 3b – 2c = ………………………………………………………………….
5. – 5abc + 3 abc – 8bc – 2 ac = …………………………………………………………….
6. 15m – 10n + 5n + 15n – 2 + 10 mn = ……………………………………………………...

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| 10x + 3b – x + 5 = ………………………………………………………………………… |