**Adding and Subtracting Algebraic Fractions GREEN**

|  |  |
| --- | --- |
| 1) 7 + 5 x x | 2) 8x + 4x 3 3 |
| 3) 5x + 1 - 3x 2 2  | 4) 7x + 3x 3 4 |
| 5) 7x - 8x 3 5 | 6) 12 + 3 5x x |
| 7) x + 3 + x - 2 6 4 | 8) 2x – 5 - 4x + 1 3 7 |
| 9) \_7\_ - \_9\_ x + 4 x - 2 | 10) \_3\_ + \_2\_  x – 1 x + 1 |

**Adding and Subtracting Algebraic Fractions AMBER**

|  |  |
| --- | --- |
| 1) 7 + 5 x x | 2) 8x + 4x 3 3 |
| 3) 5x + 1 - 3x 2 2  | 4) 7x + 3x 3 4 = \_\_\_ + \_\_\_ 12 12 |
| 5) 7x - 8x 3 5 = \_\_\_ - \_\_\_ 15 15 | 6) 12 + 3 5x x = \_\_\_ + \_\_\_ 5x 5x |
| 7) x + 3 + x - 2 6 4 = \_\_\_\_\_\_ + \_\_\_\_\_\_ 24 24 | 8) 2x – 5 - 4x + 1 3 7 = \_\_\_\_\_\_ - \_\_\_\_\_\_ 21 21 |
| 9) \_7\_ - \_9\_ x + 4 x – 2 = \_\_\_\_\_\_\_\_ - \_\_\_\_\_\_\_\_ (x + 4)(x – 2) (x + 4)(x – 2) | 10) \_3\_ + \_2\_  x – 1 x + 1 = \_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_ (x + 1)(x – 1) (x + 1)( x – 1) |

**Adding and Subtracting Algebraic Fractions RED**

|  |  |
| --- | --- |
| 1) 7 + 5 x x | 2) 8x + 4x 3 3 |
| 3) 5x + 1 - 3x 2 2  | 4) 7x + 3x 3 4 = \_\_\_ + \_\_\_ 12 12 |
| 5) 7x - 8x 3 5 = \_\_\_ - \_\_\_ 15 15 | 6) 12 + 3 5x x = \_\_\_ + \_\_\_ 5x 5x |
| 7) x + 3 + x - 2 6 4 = 4(\_\_\_\_) + 6(\_\_\_\_) 24 24 | 8) 2x – 5 - 4x + 1 3 7 = 7(\_\_\_\_) - 3(\_\_\_\_) 21 21 |
| 9) \_7\_ - \_9\_ x + 4 x – 2 = 7(\_\_\_\_) - 9(\_\_\_\_) (x + 4)(x – 2) (x + 4)(x – 2) | 10) \_3\_ + \_2\_  x – 1 x + 1 = 3(\_\_\_\_) + 2(\_\_\_\_) (x + 1)(x – 1) (x + 1)( x – 1) |