**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) |