

Adding and Subtracting Like and Unlike Rational Expressions - Worksheet

1. Combine the following like rational expressions.

$$(a) \frac{11}{x+7} - \frac{4}{x+7} =$$

$$(b) \frac{7w}{x+3} + \frac{21}{w+3} =$$

2. Combine the following unlike rational expressions.

$$(a) \frac{4}{x^2} - \frac{3}{x} =$$

$$(c) \frac{4}{5x^3} - \frac{3}{2x^2} =$$

$$(b) \frac{7}{3w} + \frac{5}{w^3} =$$

$$(d) \frac{a^2 + a + 24}{a^2 - 9} + \frac{5}{a + 3} =$$