

Unit 3---Lesson 2-CLASSWORK/HOMEWORK

1. $\frac{3x+y}{12y} + \frac{x-3y}{12y} =$ _____

$$\frac{2x - y}{6y}$$

2. $\frac{6x-5y}{36xy} - \frac{3x-6y}{36xy} =$ _____

$$\frac{3x + y}{36xy}$$

3. $\frac{4v}{2} + \frac{3v}{3v^2+9v} =$ _____

$$\frac{2v^2 + 6v + 1}{v + 3}$$

4. $6 - \frac{x+5}{(7x-5)(x+4)} =$ _____

$$\frac{42x^2 + 137x - 125}{(7x - 5)(x + 4)}$$

5. $\frac{7}{3} - \frac{8}{12x-8} =$ _____

$$\frac{84x - 80}{3(12x - 8)}$$

6. $\frac{3}{n-5} + \frac{6}{3n-8} =$ _____

$$\frac{15n - 54}{(3n - 8)(n - 5)}$$

7. $\frac{5n+5}{5n^2+35n-40} + \frac{7n}{3n} =$ _____

$$\frac{7n^2 + 52n - 53}{3(n + 8)(n - 1)}$$

8. $\frac{7n}{n+1} + \frac{8}{n-7} =$ _____

$$\frac{7n^2 - 41n + 8}{(n - 7)(n + 1)}$$

9. $\frac{2}{3x^2+12x} + \frac{8}{2x} =$ _____

$$\frac{2(6x + 25)}{3x(x + 4)}$$