Klapptest – Bruchterme 1

Falte das Blatt entlang der Linie und faktorisiere. Kürze danach „Klammer gegen Klammer".

1. $\dfrac{-42x^2 + 76x - 32}{-7x^2 - 62x + 80}$ = _____

= _____

$\dfrac{(-7x+8)(6x-4)}{(-7x+8)(x+10)} = \dfrac{6x-4}{x+10}$

2. $\dfrac{-3x^2 + 9x + 54}{-30x^2 - 72x + 54}$ = _____

= _____

$\dfrac{(-3x-9)(x-6)}{(-3x-9)(10x-6)} = \dfrac{x-6}{10x-6}$

3. $\dfrac{50x^2 + 40x - 64}{50x^2 - 80x + 32}$ = _____

= _____

$\dfrac{(-10x+8)(-5x-8)}{(-10x+8)(-5x+4)} = \dfrac{-5x-8}{-5x+4}$

4. $\dfrac{63x^2 + 30x + 3}{45x^2 - 75x - 30}$ = _____

= _____

$\dfrac{(-9x-3)(-7x-1)}{(-9x-3)(-5x+10)} = \dfrac{-7x-1}{-5x+10}$

5. $\dfrac{-21x^2 + 29x + 72}{-9x^2 + 6x + 48}$ = _____

= _____

$\dfrac{(-3x+8)(7x+9)}{(-3x+8)(3x+6)} = \dfrac{7x+9}{3x+6}$

Ergebnis:

____/20 P.