

## Ответы к самостоятельной работе ...

1)  $\boxed{1} \quad d = 6, \quad k = 14, \quad s = -39$

$\boxed{2} \quad d = \text{НОД}(f(x), g(x)) = 2x - 3$

$\boxed{3} \quad x_1 = \frac{5}{7}, \quad x_2 = 2$

$\boxed{4} \quad (x - 2)(x - 3)(x^2 + 2x + 7)$

2)  $\boxed{1} \quad d = 6, \quad k = 9, \quad s = -25$

$\boxed{2} \quad d = \text{НОД}(f(x), g(x)) = x - 1$

$\boxed{3} \quad x_1 = \frac{5}{7}, \quad x_2 = \frac{5}{7} \quad \boxed{4} \quad (x + 2)^2 x (x - 2)$

3)  $\boxed{1} \quad d = 2, \quad k = 17, \quad s = -47$

$\boxed{2} \quad d = \text{НОД}(f(x), g(x)) = x - 3$

$\boxed{3} \quad x_1 = -\frac{3}{7}, \quad x_2 = 4 \quad \boxed{4} \quad (x + 1)^2 (x^2 + 2x + 7)$

4)  $\boxed{1} \quad d = 3, \quad k = 22, \quad s = -75$

$\boxed{2} \quad d = \text{НОД}(f(x), g(x)) = 3x - 3$

$\boxed{3} \quad x_1 = 2, \quad x_2 = \frac{4}{7} \quad \boxed{4} \quad (x + 3)^2 (x + 1)^2$