

SOLUZIONI

- | | | |
|----------------------------------|-------------------------------------|-------------------------------------|
| 1. a. x^2 | b. $\frac{x+2}{x(x-2)}$ | c. $\frac{x-3}{x-2}$ |
| d. $\frac{2x-1}{x(x+1)}$ | e. $\frac{x^2(x-6)}{x+6}$ | f. $\frac{1}{x}$ |
| g. $\frac{5x-3}{x}$ | h. $\frac{2x+1}{x}$ | i. $\frac{x-3}{x+2}$ |
| 2. a. $\frac{1}{x}$ | b. x | c. $2x$ |
| d. $\frac{x(x^2+5)}{x+5}$ | e. $x(x-1)$ | f. $x^2(x^2+x+1)$ |
| g. $\frac{x}{x-1}$ | h. $\frac{x(x-2)(x+2)}{(x-4)(x+1)}$ | i. $\frac{x-3}{x+1}$ |
| j. $\frac{x(x+4)}{x-2}$ | k. $\frac{x+5}{x-3}$ | l. $\frac{x(x-2)}{x+1}$ |
| m. $\frac{x-1}{x(x-3)}$ | n. $\frac{x(x-1)}{x+8}$ | o. $\frac{x-5}{x(x+6)}$ |
| p. $\frac{5x-6}{x+1}$ | q. $\frac{5x-2}{x-7}$ | r. $\frac{3x+1}{5x+1}$ |
| s. $\frac{2x-7}{3x+2}$ | t. $\frac{4x-3}{5x-1}$ | u. $\frac{x(3x+2)}{4x+3}$ |
| 3. a. $\frac{3x-1}{(x+2)(x-5)}$ | b. $\frac{x+14}{(x+2)(1-x)}$ | c. $\frac{x}{(x+1)(x-1)}$ |
| d. $\frac{8}{x+2}$ | e. $\frac{x+4}{(x+3)(x-3)}$ | f. $\frac{9x-39}{(x-3)(x-6)}$ |
| g. $\frac{2x^2-2x}{(x+2)(x-4)}$ | h. x | i. $\frac{2x^2+3x-24}{(2x-1)(x-6)}$ |
| j. $\frac{5x^2-14x}{(x+2)(x-6)}$ | k. $\frac{2x^2-x}{(x+1)(x-1)}$ | l. $\frac{x^2+8x+1}{x^2}$ |
| m. $\frac{5x^2+33x}{(x+6)(x+7)}$ | n. $\frac{2x^2+11x+11}{(x+2)(x+3)}$ | o. $\frac{2x^2-7x-17}{(x+2)(x+1)}$ |
| 4. a. $\frac{x}{x+4}$ | b. $\frac{x-1}{x(x+1)}$ | c. $\frac{(x+2)^2}{x}$ |
| d. $\frac{3}{x^2(x+2)}$ | e. $\frac{(x+3)^2}{x^3}$ | f. $x(x+3)$ |
| g. $\frac{x^2(x-1)}{x+1}$ | h. $\frac{x^3(x+1)}{(x+4)^2}$ | i. $\left(\frac{x+3}{x-4}\right)^2$ |