

What Game Do Cannibals Play at Parties?

Express each difference below in simplest form. Find your answer and notice the letter next to it. Write this letter in each box containing the number of that exercise.

$$\textcircled{1} \frac{8}{x^2 - 4} - \frac{3}{x - 2}$$

$$\textcircled{2} \frac{9}{x^2 - 2x - 15} - \frac{2}{x + 3}$$

$$\textcircled{3} \frac{7x}{x^2 - 9x + 14} - \frac{4}{x - 7}$$

$$\textcircled{4} \frac{3}{x - 4} - \frac{x - 9}{x^2 - 16}$$

$$\textcircled{5} \frac{5}{x + 5} - \frac{2x + 5}{x^2 + 9x + 20}$$

$$\textcircled{6} \frac{3}{d - 7} - \frac{2}{3d + 1}$$

$$\textcircled{7} \frac{8}{5d + 4} - \frac{1}{2d - 3}$$

$$\textcircled{8} \frac{d + 2}{4d - 1} - \frac{7}{d + 5}$$

$$\textcircled{9} \frac{d^2 + 3}{d^2 - 2d} - \frac{d - 4}{d}$$

$$\textcircled{10} \frac{d^2 - 11}{d^2 - 7d + 12} - \frac{d + 1}{d - 4}$$

Answers:

$$\textcircled{M} \frac{3x}{x + 5}$$

$$\textcircled{A} \frac{-2x + 19}{(x + 3)(x - 5)}$$

$$\textcircled{E} \frac{3}{x + 4}$$

$$\textcircled{V} \frac{2x + 3}{(x - 2)(x - 7)}$$

$$\textcircled{H} \frac{-3x + 2}{(x + 2)(x - 2)}$$

$$\textcircled{O} \frac{2x + 21}{(x + 4)(x - 4)}$$

$$\textcircled{R} \frac{3x + 8}{(x - 2)(x - 7)}$$

$$\textcircled{U} \frac{7x + 11}{(x + 3)(x - 5)}$$

Answers:

$$\textcircled{N} \frac{3d + 8}{d(d - 2)}$$

$$\textcircled{C} \frac{8d - 15}{(5d + 4)(2d - 3)}$$

$$\textcircled{L} \frac{2}{d - 3}$$

$$\textcircled{S} \frac{7d + 17}{(d - 7)(3d + 1)}$$

$$\textcircled{D} \frac{d^2 - 21d + 17}{(4d - 1)(d + 5)}$$

$$\textcircled{P} \frac{d^2 - 18d + 4}{(4d - 1)(d + 5)}$$

$$\textcircled{W} \frac{6d - 5}{d(d - 2)}$$

$$\textcircled{T} \frac{11d - 28}{(5d + 4)(2d - 3)}$$

6	9	2	10	10	4	9	7	1	5	10	5	2	8	5	3
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