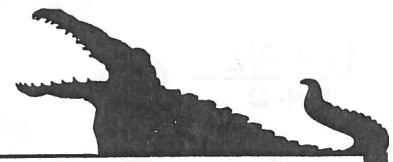
# What Do You Call an Alligator That Sneaks Up and Bites You From Behind ?

Simplify each expression below. Cross out the box that contains your answer. When you finish, print the letters from the remaining boxes in the squares at the bottom of the page.



① $\frac{2x+10}{x+5}$ $\frac{2(x+5)}{(x+5)} = 2$

② $\frac{x-3}{7x-21}$ $\frac{(x-3)}{7(x-3)} = \frac{1}{7}$

③ $\frac{x^2-4}{x+2}$ $\frac{(x-2)(x+2)}{(x+2)}$

④ $\frac{x^2-25}{3x-15}$ $\frac{(x-5)(x+5)}{3(x-5)}$

⑤ $\frac{x^2+4x}{x^2-9x}$ $\frac{x(x+4)}{x(x-9)}$

⑥ $\frac{n^2+7n+10}{n^2+2n-15}$ $\frac{(x+5)(x+2)}{(x-5)(x+3)}$

⑦ $\frac{n^2-7n+12}{n^2-2n-3}$ $\frac{(n-3)(n-4)}{(n-3)(n+1)}$

⑧ $\frac{n^2+7n-18}{n^2-4}$ $\frac{(n+9)(n-2)}{(n+2)(n-2)}$

⑨ $\frac{4n+28}{n^2+6n-7}$ $\frac{4(n+7)}{(n-1)(n+7)}$

⑩ $\frac{n-6}{n^2-6n}$ $\frac{n-6}{n(n-6)} = \frac{1}{n}$

⑪ $\frac{2b^2-6b}{5b^2-15b}$ $\frac{2b(b-3)}{5b(b-3)} = \frac{2}{5}$

⑫ $\frac{b^2+4b-21}{2b^2-18}$ $\frac{(b+7)(b-3)}{2(b+3)(b-3)}$

⑬ $\frac{3b^2+15b}{2b^3-50b}$ $\frac{3b(b+5)}{2b(b+5)(b-5)}$

⑭ $\frac{b^2+4b+4}{2b^2+3b-2}$ $\frac{(b+2)(b+2)}{(2b-1)(b+2)}$

⑮ $\frac{6b^3-24b^2}{b^2+b-20}$ $\frac{6b^2(b-4)}{(b+5)(b-4)}$

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| AB $\frac{4}{n-1}$ | CH $\frac{6b^2}{b+5}$ | AT $\frac{3b}{b-5}$ | ES $\frac{n+2}{n-3}$ | AD $\frac{b+7}{2(b+3)}$ | TO 2 | AP $\frac{n+9}{n+2}$ | AI $\frac{b+4}{2b+1}$ | RE $\frac{b+2}{2b-1}$ | NO $\frac{x+4}{x-9}$ |
| LG $\frac{x+4}{x-2}$ | TE $\frac{1}{7}$ | BR $\frac{2}{5}$ | AT $\frac{n+2}{n-1}$ | RY $\frac{1}{n}$ | BI $\frac{x+5}{3}$ | DO $\frac{3}{2(b-5)}$ | OR $\frac{3}{2(b+10)}$ | TE $\frac{n-4}{n+1}$ | AT $x-2$ |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A | T | A | I | L | G | A | T | O | R |