9-13-17 1st Try

① Simplify $\frac{(n+3)(n+2)}{n+3}$

$n+2 \quad [n \neq -3]$

What is the answer then if $n=-3$?

$-3+2$

-1 X

② Simplify $\frac{(n-4)(n+10)}{n-4}$

$n+10 \quad [n \neq 4]$

③ Simplify $\frac{n^2+7n+12}{n+3}$

$\frac{(n+3)(n+4)}{n+3}$

12

1, 12

2, 6

3, 4

$n+4 \quad [n \neq -3]$

(4) Simplify $\dfrac{n^2+n-12}{n^2+5n+4}$

$$\frac{(n+4)(n-3)}{(n+4)(n+1)}$$

$$\frac{n-3}{n+1} \quad [n \neq -4]$$

(5) Simplify $\dfrac{n^2+6n+8}{n^2+5n+6}$

$$\frac{(n+4)(n+2)}{(n+2)(n+3)}$$

$$\frac{n+4}{n+3} \quad [n \neq -2]$$

(6) Simplify $\dfrac{n^2-8n-20}{n^2+7n+10}$

$$\frac{(n-10)(n+2)}{(n+2)(n+5)}$$

$$\frac{n-10}{n+5} \quad [n \neq -2]$$

(7) Simplify $\dfrac{n^2+13n+30}{n^2+9n+18}$

$$\frac{(n+3)(n+10)}{(n+3)(n+6)}$$

$$\frac{n+10}{n+6} \quad [n \neq -3]$$

9-13-17 3rd Trig

① Simplify $\frac{(n+2)(n+5)}{n+2}$

$n+5$ $[n \neq -2]$

What answer do we get when we plug in $n=-2$.

$-2+5$

3

② Simplify $\frac{(n-1)(n-8)}{n-1}$

$n-8$ $[n \neq 1]$

③ Simplify $\frac{n^2+8n+12}{n+6}$

$\frac{(n+2)(n+6)}{n+6}$

12
1, 12
2, 6
3, 4

$n+2$ $[n \neq -6]$

(4) Simplify $\dfrac{n^2+7n+10}{n^2+9n+14}$

$\dfrac{(n+2)(n+5)}{(n+2)(n+7)}$

$\dfrac{n+5}{n+7}$ $[n \neq -2]$ 1'

(5) Simplify $\dfrac{n^2+n-12}{n^2+5n+4}$

$\dfrac{(n+4)(n-3)}{(n+4)(n+1)}$

$\dfrac{n-3}{n+1}$ $[n \neq -4]$

(6) Simplify $\dfrac{n^2-16}{n^2+n-20}$

$\dfrac{(n+4)(n-4)}{(n+5)(n-4)}$

$\dfrac{n+4}{n+5}$ $[n \neq 4]$

9-13-17 4th Trig

① Simplify $\dfrac{(n+8)(n-2)}{n-2}$

$n+8 \quad [n \neq 2]$

What answer do you get when $n=2$? 10

What is the problem

② Simplify $\dfrac{(n-1)(n+4)}{n+4}$

$n-1 \quad [n \neq -4]$

③ Simplify $\dfrac{n^2+7n+12}{n+3}$

12
1, 12
2, 6
3, 4

$\dfrac{(n+3)(n+4)}{n+3}$

$n+4 \quad [n \neq -3]$

(4) Simplify $\dfrac{n^2+6n+5}{n^2+7n+10}$

$\dfrac{\cancel{(n+5)}(n+1)}{\cancel{(n+5)}(n+2)}$

$\dfrac{n+1}{n+2}$ $[n \neq -5]$

(5) Simplify $\dfrac{n^2-16}{n^2+6n+8}$

$\dfrac{\cancel{(n+4)}(n-4)}{\cancel{(n+4)}(n+2)}$

$\dfrac{n-4}{n+2}$ $[n \neq -4]$

(6) Simplify $\dfrac{5(n-3)}{n^2+n-12}$

$\dfrac{5\cancel{(n-3)}}{(n+4)\cancel{(n-3)}}$

$\dfrac{5}{n+4}$ $[n \neq 3]$