

**HW #71: SHOW ALL WORK on a separate piece of paper****Answer Section**

1.  $\frac{n+3}{n-5}$

2.  $\frac{x^2}{x-4}$

3.  $\frac{x+3}{x+5}$

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

5.  $\frac{(x-2)^2}{5x^3}$

6.  $\frac{x(x+2)}{x-5}$

7.  $\frac{x+5}{x+8}$

8.  $\frac{x+1}{(x+3)(2x+3)}$

9.  $\frac{4}{x+2}$

10.  $\frac{4}{x+3}$

11.  $\frac{x-6}{x-5}$

12.  $\frac{1}{x+4}$

13.  $\frac{2y^3}{x^5}$

14.  $\frac{x+1}{3x(x-4)}$

15.  $\frac{11x-21}{x^2-9}$

16.  $\frac{2x}{5x^2-27x-18}$

17.  $\frac{2(x+3)}{15}$

18.  $-\frac{x+6}{5x+4}$

19. 8

20.  $\frac{11}{3}$

21. 4

22.  $\frac{19}{21}$

23. 2

24.  $-1, -3$