

3.24 Assignment

Day 1

Name _____

date _____

① Simplify as much as possible

a)
$$\frac{(x-4)^3(2x-1)}{(2x-1)(x-4)^2}$$

b)
$$\frac{(x+2)(x^2-6x+9)}{(x-3)(x^2-4)}$$

c)
$$\frac{x+2}{2x^2-x-10}$$

② Combine & Simplify completely

$$\frac{7}{n} - \frac{n+3}{n^2} + \frac{2}{n}$$

HINT: DON'T try to cancel any factors that are not factors!

③ Combine & Simplify completely

$$\frac{n+4}{3n} - \frac{n-1}{n^2}$$

④ Solve the following system TWICE, ONCE using "Elimination" and ONCE using "Substitution".
Keep all answers exact. Add another sheet of paper as needed.

$$6x - 7y = -5$$

$$-12x - 21y = 5$$

Be organized!