Math 10 Unit 3.7: Rational polynomial expressions

A) Dividing polynomials

-we can do: $4x+12$ and $32x+40$
= =

Now: $\frac{4x+12}{32x+40}$

Ex: $\frac{6x+8}{2}$

Ex: $\frac{6x^3+8x^2}{2x}$

Ex: $\frac{4x+12}{2x+4}$

B) What about $\frac{ax^2+bx+c}{}$ questions?

ax^2+bx+c

Ex:

Ex:

Try: $\frac{x^2+x-6}{x-2}$

$\frac{X^2-10x+25}{5-x}$

$\frac{X^2-5x-24}{X^2+7x+12}$

C) Multiplying rational polynomials

Ex: $\frac{4x^2}{5} \times \frac{15}{24x^7}$

Ex: $\frac{x^2+5x+6}{x^2-4x+3} \times \frac{x^2-x-6}{x^2+4x+3}$

-do handout exercise 4.1 #3, 4, 6, 7, 10
exercise 4.2 #1, 3, 6, 9

Next period: quiz on chp 3 and review…then pretest, corrections and test