Please go straight into groups. Discuss homework. We will be practicing division of polynomials today.

$$\frac{4}{6xy^{2}-3xy+2x^{2}y}$$

$$\frac{6xy^{2}-3xy}{xy}+\frac{2x^{2}y}{xy}$$

$$\frac{6xy^{2}-3xy}{xy}+\frac{2x^{2}y}{xy}$$

$$\frac{6y-3+2x}{4}$$

$$8(z^{5}-3z^{2}-28) \div (z-2)$$

$$z^{4}+3z^{3}+4z^{2}+5z+16$$

$$z^{5}+0z^{4}+0z^{3}-3z^{2}+0z-20$$

$$-(z^{5}-2z^{4})$$

$$-(z^{4}-4z^{3})$$

$$-(4z^{3}-3z^{2})$$

$$-(5z^{2}-10z)$$

$$-(0z-20)$$

$$-(0z-20)$$

+y2 3 3 Ly3

$$\begin{array}{c}
3a^{3}-9a^{2}+7a-6 \\
3a^{4}-6a^{3}-2a^{2}+a-6 \\
-(3a^{4}+3a^{3}) \\
-9a^{3}-2a^{2} \\
-(-9a^{3}-9a^{2}) \\
\hline
7a^{2}+a \\
-(7a^{2}+7a) \\
-6a-6 \\
-6a-6
\end{array}$$

DLONG DIVISION:

$$\frac{3x^3+2x^2-2x+11}{x+2}$$

2) Synthetic: 3x5+5x4+x+5 x+7