$$\begin{array}{r}
\text{Interpret:} \\
2x^3 - 9x^2 + 11x - 6 = x - 3 \\
2x^2 - 3x + 2
\end{array}$$

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\text{Interpret:} \\
2x^2 - 3x + 2
\end{array}$$

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\text{Interpret:} \\
2x^2 - 3x + 2
\end{array}$$

$$\begin{array}{r}
\text{Interpret:} \\
-6x^2 \\
-2x^2 = -3
\end{array}$$

$$\begin{array}{r}
-6x^2 \\
-2x^2 = -3
\end{array}$$

$$\begin{array}{r}
-6x^2 + 9x - 6
\end{array}$$

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-6x^2 + 9x - 6
\end{array}$$

$$\begin{array}{r}
-6x^2 + 9x - 6
\end{array}$$

$$\begin{array}{r}
2x^3 \\
-6x^2 = -3
\end{array}$$

$$\begin{array}{r}
-6x^2 + 9x - 6
\end{array}$$

$$\begin{array}{r}
2x^3 = x
\end{array}$$

$$\frac{2x^{3}-9x^{2}+11x-6}{x-7} = 2x^{2}+8x+4+\frac{316}{x-7}$$

$$\frac{2x^{2}+8x+46+316}{2x^{2}+8x+4}+\frac{316}{x-7}$$

$$\frac{2x^{2}+8x+46+316}{2x^{2}+8x+4}+\frac{316}{x-7}$$

$$\frac{2x^{2}+8x+46+7}{2x^{2}-9x^{2}+11x-6} = \frac{9+2}{3[29]}$$

$$\frac{-(2x^{3}-14x^{2})}{5x^{2}+11x-6} = \frac{9+2}{2}$$

$$\frac{-(5x^{2}-35x)}{316}$$

$$\frac{46x-6}{316} = \frac{2x^{2}+8x+4}{3} = \frac{316}{x-7}$$

$$\frac{-(46x-322)}{316} = \frac{316}{x-7}$$

$$\frac{2x^{3}-9x^{2}+11x-6}{x'-7}$$

synthetic Division. 2x2+5x+46 + 316 2x2+5x +46 r 316 This work shows that b(x)= 5x3 9x2+ 11x-6= (x-2)(2x2+2x+46) +318 what's P(7)? = 2(7)3-9(7)2+11(7)-6=316 To find P(7), divide by x-7 & 11 = 101 f(x)= 3x5-4x3+7x2-11x-20 3 -9 23 -58 163

Let
$$x=-3$$
 $= \sqrt{x^2} = -x$

Let $x=-3$ $= \sqrt{x^2} = -x$
 $\sqrt{x^2} = \sqrt{(-3)^2} = \sqrt{9} = 3 = -x$

is the principal square noot.

Never megative.

 $1-51=5$
 $151=5$

In S6.1, they assume the variables aren't negative of try to shine you on this very important FACT:

$$\sqrt{\chi^2} = |\chi|$$

In 6.1, you can get away with

\[
\sigma^2 = \times, but BE MARE.