$$
\begin{aligned}
& 9-16-13 \\
& 3^{\prime *} \text { Trig }
\end{aligned}
$$

Review

$$
\begin{aligned}
& (x+3)(x+5) \\
& x^{2}+5 x+3 x+15 \\
& x^{2}+8 x+15 \\
& (x+2)(x+6) \\
& x^{2}+8 x+12 \\
& (x+6(x-5) \\
& x^{2}+x-30 \\
& (x+3)(x+7)=x^{2}+10 x+21 \\
& (x+1)(x+6)=x^{2}+7 x+6 \\
& (x+3)(x+10)=x^{2}+13 x+30
\end{aligned}
$$

Factor

$$
\begin{array}{ll}
x^{2}+8 x+12 & \frac{12}{1,12} \\
(x+2)(x+6) & \frac{12,6}{3,4}
\end{array}
$$

Factor $\begin{array}{ll}x^{2}+21 x+20 & \frac{20}{1,20} \\ (x+1)(x+20) & 2,10 \\ & 4,5\end{array}$
Factor

$$
\begin{array}{cl}
x^{2}+11 x+30 & \frac{30}{1.30} \\
(x+5)(x+6) & \begin{array}{l}
2.15 \\
3,10 \\
\\
\\
5,6
\end{array}
\end{array}
$$

Factur $x^{2}+4 x-12 \quad \frac{12}{1,12}$

$$
(x-2)(x+6) \frac{-2+6}{3,4}
$$

Factur

$$
\begin{array}{cc}
x^{2}+13 x-30 & \frac{30}{1,30} \\
(x-2)(x+15) & \frac{-2,15}{3,10} \\
& 5,6
\end{array}
$$

Factor

$$
\begin{array}{ll}
x^{2}-11 x+10 & \frac{10}{(x-1)(x-10)}
\end{array} \frac{-1,-10}{}-2,-5
$$

Factor $\quad 2 x^{2}+7 x+5$

$$
\begin{aligned}
& \text { Factor } \begin{array}{ccc}
a & & \\
- & \uparrow & \uparrow \\
a & b & c
\end{array} \\
& (2 x+\sqrt{x x+5}) \times \frac{5}{1,5} \\
& 20^{2} \text { s.5.4.4.4 }(2 x+5)(x+1)
\end{aligned}
$$

$$
\begin{aligned}
& 9-16-13 \\
& 4^{t-} \text { Trig }
\end{aligned}
$$

Revien

$$
\begin{aligned}
& (x+4)(x+2) \\
& x^{2}+2 x+4 x+8 \\
& x^{2}+6 x+8
\end{aligned}
$$

$$
\begin{gathered}
(x+3)(x+5) \\
x^{2}+8 x+15 \\
(x+5)(x+4) \\
x^{2}+9 x+20
\end{gathered}
$$

$$
\begin{aligned}
& (x+2)(x+100) \\
& x^{2}+102 x+200 \\
& (x-4)(x+10) \\
& x^{2}+6 x-40 \\
& (x-1)(x-100) \\
& x^{2}-101 x+100
\end{aligned}
$$

Fartor $\begin{array}{cc}x^{2}+12 x+20 & \frac{20}{1,20} \\ & (x+2)(x+10) \\ & \begin{array}{l}2,10 \\ 4,5\end{array}\end{array}$

Factur $\begin{array}{ll}x^{2}+13 x+12 & \frac{12}{11,12} \\ (x+1)(x+12) & \begin{array}{l}2,6 \\ 3.4\end{array}\end{array}$

Factor

$$
\begin{array}{cc}
x^{2}+4 x-12 & \frac{12}{1,12} \\
(x-2)(x+6) & \frac{-2,6}{3,4}
\end{array}
$$

Factor $\begin{array}{cc}x^{2}-10 x+9 & \frac{9}{-1,-9} \\ (x-1)(x-9) & -3,-3\end{array}$

Factur

$$
\begin{array}{ll}
x^{2}+31 x+30 & \frac{30}{1,30} \\
(x+1)(x+30) & 2,15 \\
& 3,10 \\
& 5,6
\end{array}
$$

$$
\begin{aligned}
& a x^{2}+b x+c \\
& a \neq 1 \\
& \text { Factur } \left.2 x^{2}+11 x+14\right) \frac{14}{1,14} \\
& \left(2 x+\sqrt{2}(x+14) \times \frac{2.7}{}\right. \\
& (2 x+14)(x+1) x \\
& \\
& (2 x+2)(x+7) x \\
& \\
& (2 x+7)(x+2)
\end{aligned}
$$

