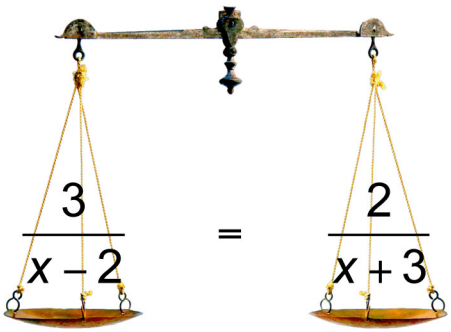
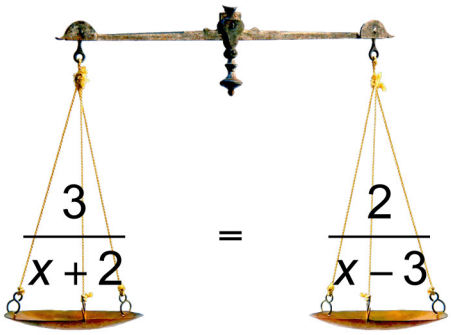
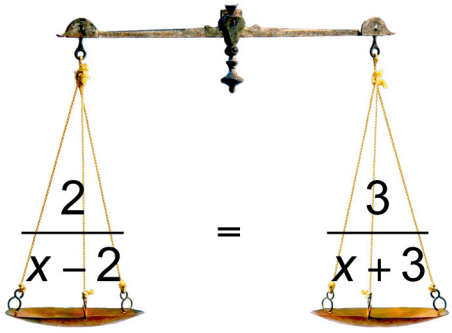


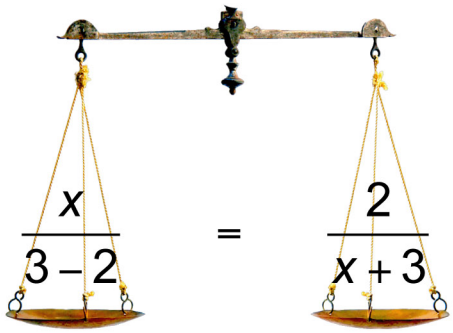
$$\begin{array}{lcll}
\frac{3}{x-2} & = & \frac{2}{x+3} & \\
\frac{3}{(x-2)} & = & \frac{2}{(x+3)} & \left|\cdot(x-2)\cdot(x+3)\right. \\
3\cdot(x+3) & = & 2\cdot(x-2) & \\
3x+9 & = & 2x-4 & \left|-2x\right. \\
x+9 & = & -4 & \left|-9\right. \\
\underline{x} & = & \underline{-13} &
\end{array}$$



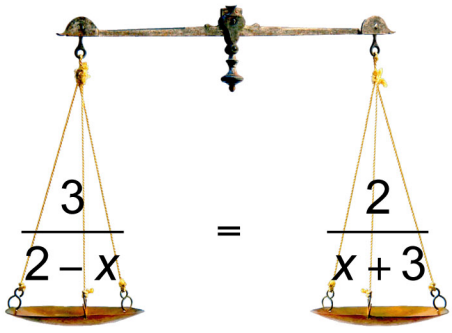
$$\begin{array}{lcll}
\frac{3}{x+2} & = & \frac{2}{x-3} & \\
\frac{3}{(x+2)} & = & \frac{2}{(x-3)} & \left|\cdot(x+2)\cdot(x-3)\right. \\
3\cdot(x-3) & = & 2\cdot(x+2) & \\
3x-9 & = & 2x+4 & \left|-2x\right. \\
x-9 & = & 4 & \left|+9\right. \\
\underline{x} & = & \underline{13} &
\end{array}$$



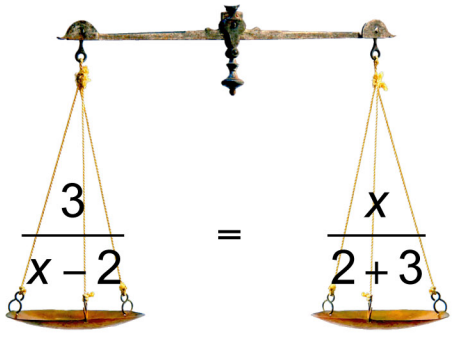
$$\begin{array}{lcll}
\frac{2}{x-2} & = & \frac{3}{x+3} & \\
\frac{2}{(x-2)} & = & \frac{3}{(x+3)} & \left|\cdot(x-2)\cdot(x+3)\right. \\
2\cdot(x+3) & = & 3\cdot(x-2) & \\
2x+6 & = & 3x-6 & \left|-2x\right. \\
6 & = & x-6 & \left|+6\right. \\
\underline{12} & = & \underline{x} &
\end{array}$$



$$\begin{array}{lcll}
\frac{x}{3-2} & = & \frac{2}{x+3} & \\
\frac{x}{1} & = & \frac{2}{x+3} & \\
\frac{x}{(1)} & = & \frac{2}{(x+3)} & \left|\cdot(1)\cdot(x+3)\right. \\
x\cdot(x+3) & = & 2\cdot(1) & \\
x^2+3x & = & 2 & \left|+2{,}25\right. \\
x^2+3x+2{,}25 & = & 4{,}25 & \\
(x+1{,}5)(x+1{,}5) & = & 4{,}25 & \left|\sqrt{\ }\right. \\
x+1{,}5 & = & \pm\sqrt{4{,}25} & \left|-1{,}5\right. \\
\underline{x} & = & \underline{\pm\sqrt{4{,}25}-1{,}5} &
\end{array}$$



$$\begin{array}{lcll}
\frac{3}{2-x} & = & \frac{2}{x+3} & \\
\frac{3}{(2-x)} & = & \frac{2}{(x+3)} & \left|\cdot(2-x)\cdot(x+3)\right. \\
3\cdot(x+3) & = & 2\cdot(2-x) & \\
3x+9 & = & 4-2x & \left|+2x\right. \\
5x+9 & = & 4 & \left|-9\right. \\
5x & = & -5 & \left|\div 5\right. \\
\underline{x} & = & \underline{-1} &
\end{array}$$



$$\begin{array}{lcll}
\frac{3}{x-2} & = & \frac{x}{2+3} & \\
\frac{3}{x-2} & = & \frac{x}{5} & \\
\frac{3}{(x-2)} & = & \frac{x}{(5)} & \left|\cdot(x-2)\cdot(5)\right. \\
3\cdot(5) & = & x\cdot(x-2) & \\
15 & = & x^2-2x & \left|+1\right. \\
16 & = & x^2-2x+1 & \\
16 & = & (x-1)(x-1) & \left|\sqrt{\ }\right. \\
\pm 4 & = & x-1 & \left|+1\right. \\
+5\ /\ -3 & = & \underline{x} &
\end{array}$$