12. Řešte rovnice a proveďte zkoušku:

a) $\dfrac{r+5}{3} - \dfrac{r-2}{2} = \dfrac{r-3}{2}$

b) $\dfrac{2r-3}{10} - \dfrac{r-4}{5} = \dfrac{r+6}{4} - \dfrac{r+5}{2}$

c) $\dfrac{2r-3}{5} - \dfrac{r+4}{6} = \dfrac{4r-11}{9} - \dfrac{r-8}{2}$

d) $\dfrac{3-r}{3} - \dfrac{6-7r}{8} = \dfrac{2r-5}{6} + \dfrac{r+3}{4}$

e) $\dfrac{25r+6}{15} - (r-1) = \dfrac{2r}{3} + \dfrac{7}{5}$

f) $\dfrac{3+4r}{2} - \dfrac{1}{6} = 5r - \dfrac{12r-1}{3}$

13. Řešte rovnice a proveďte zkoušku:

a) $\dfrac{x-5}{x+1} = 0$

b) $\dfrac{x-3}{x+2} = 2$

c) $\dfrac{4x-5}{3x+1} = 3$

d) $\dfrac{3x-7}{5x-6} = \dfrac{3}{4}$

e) $\dfrac{5x-7}{7-3x} = -\dfrac{1}{2}$

f) $\dfrac{8-3x}{5x-6} = -1\dfrac{1}{3}$

g) $\dfrac{6x-3}{8x-4} = \dfrac{3}{4}$

h) $\dfrac{1{,}5x-6}{4(4-x)} = -\dfrac{3}{8}$

14. Řešte rovnice a proveďte zkoušku:

a) $\dfrac{2}{x-3} = \dfrac{3}{x+5}$

b) $\dfrac{5}{2x-9} = \dfrac{4}{x-6}$

c) $\dfrac{x-6}{x} = \dfrac{x}{10+x}$

d) $\dfrac{2x-8}{x} = \dfrac{2x}{5+x}$

□ e) $\dfrac{-x}{5-x} = \dfrac{x-24}{x-5}$

□ f) $\dfrac{1-x}{2x-3} = \dfrac{x-2}{3-2x}$