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| **5) Vyřešte rovnici a proveďte zkoušku**$$a) \frac{3}{x+1}-\frac{2}{x-1}=0 b) 1-\frac{2x-10}{3x}=\frac{20-x}{2x} $$$$ $$$$c) \frac{9}{x+3}-\frac{6}{x-1}=0 d) \frac{1}{x+5}-\frac{4}{5x-1}=0$$$$ e) \frac{2a+3}{3a+1}-\frac{1}{4}=\frac{a+5}{3a+1} f) \frac{2}{y-2}-\frac{4}{3y+1}=0$$$$e) \frac{x+3}{x-3}=\frac{3x-1}{3x-7} f) \frac{2x+1}{x+1}+\frac{x+1}{x-1}=3$$$$g) \frac{x+1}{x-1}-\frac{x+3}{x+1}=\frac{4}{x+1} h) \frac{3x+2}{x+2}-\frac{x-1}{x+1}=2$$**7) Vyřešte rovnici a proveďte zkoušku**$$a) \frac{x-1}{x-2}=\frac{x+2}{2x-4} b) \frac{2}{x+3}=\frac{x-4}{x^{2}-9}$$$$ $$ | $$g) \frac{2}{x+3}-\frac{1}{x-2}=0 h) 1-\frac{x+1}{3x}=\frac{x+3}{5x}$$**6) Vyřešte rovnici a proveďte zkoušku**$$a) \frac{x-6}{x}=\frac{x}{10+x} b) \frac{x}{x-2}=\frac{x-3}{x+4}$$$$c) \frac{2-x}{6-x}=\frac{x+2}{x-3} d) \frac{4x-2}{x}=1+\frac{3x}{x+1}$$$$c) \frac{5x-4}{x^{2}-8x+16}=\frac{3}{x-4} d) \frac{3x-1}{2x-6}=\frac{4x+1}{3x-9}$$$$ e) \frac{5}{2x+4}=\frac{2x+3}{x^{2}+2x} f) \frac{3x-2}{1-x}=\frac{x-2}{x-1}$$$$g) \frac{2}{x^{2}+4x+4}=\frac{1}{x^{2}-4} h) \frac{2}{3x+15}=\frac{x-2}{x^{2}-25}$$ |  |
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