

8. Řešte rovnice a proveďte zkoušku:

$$\text{a) } \frac{x+1}{4} = \frac{x-1}{3}$$

$$\text{b) } \frac{x+3}{5} = \frac{2x-8}{3}$$

$$\text{c) } \frac{x-3}{4} - \frac{3x+1}{7} = 0$$

$$\text{d) } \frac{3x+1}{8} - \frac{5x-1}{14} = 0$$

$$\text{e) } \frac{2x+3}{4} - \frac{3+4x}{5} = 0$$

$$\text{f) } \frac{3x-5}{6} - \frac{3x-4}{5} = 0$$

9. Řešte rovnice a proveďte zkoušku:

$$\text{a) } \frac{x-5}{4} - \frac{x-5}{8} = \frac{1}{8}$$

$$\text{b) } \frac{3x-5}{4} - \frac{7x+3}{5} = \frac{1}{10}$$

$$\text{c) } \frac{2x-4}{3} - \frac{2x-4}{5} = \frac{2}{15}$$

$$\text{d) } \frac{4x-5}{6} - \frac{6x-7}{8} = \frac{1}{12}$$

10. Řešte rovnice a proveďte zkoušku:

$$\text{a) } \frac{7u-1}{3} + \frac{5+3u}{2} = 5u-6$$

$$\text{b) } \frac{3v-4}{7} + \frac{5v+3}{3} = 43-5v$$

$$\text{c) } \frac{3y-19}{15} - \frac{y}{18} = \frac{y-12}{10}$$

$$\text{d) } \frac{4z-14}{6} - \frac{2z-9}{14} = \frac{2(z-2)}{3}$$

11. Řešte rovnice a proveďte zkoušku:

$$\text{a) } (x+3)(x-5) = (x-3)^2$$

$$\text{b) } (x+1)(x+6) = (x+4)^2$$

$$\text{c) } (x+8)(x-1) = (x-8)(x+1)$$

$$\text{d) } (x-5)(x-2) = (x-4)(x-3)$$

$$\text{e) } (x-5)(x-2) = (x-4)(x+3)$$

$$\text{f) } (x+1)(x+7) = (x+2)(x+3)$$