Weitere Übungen

Löse die folgende Gleichungen über die Grundmenge $\mathbb{R}$

1. $2x - 3 = 7$
2. $y + \frac{2}{5} = 3$
3. $2 - x = \frac{4}{5}$
4. $1 - \frac{5}{6} = t - \frac{1}{3}$
5. $\frac{5z}{2} - 1 = 4$
6. $\frac{20}{x} = 4$
7. $7(x - 1) - 5(x + 3) = x - 1$
8. $4(2z - 1) - 3z = 2z - 1 + 3z$
9. $-3(x - 3) - 9 = x - 12$
10. $(5x - 3)2 = x - 3$
11. $\frac{1}{5}\left(\frac{1}{2}x - 4\right) = \frac{1}{3}$
12. $\frac{5}{3}x = 0$
13. $\frac{4}{3}x - 5 = \frac{3}{4}\left(x - \frac{4}{3}\right) + \frac{3}{4}$
14. $\frac{t}{2} + \frac{t}{3} = 10$
15. $\frac{z}{3} - 6 = \frac{z}{4}$
16. $\frac{2x}{3} - \frac{3}{4}x = \frac{x}{2}$
17. $\frac{y-1}{5} = \frac{y+1}{6}$
18. $\frac{y-1}{5} + 2 = \frac{y+1}{6}$
19. $2\left(\frac{x-1}{3} + \frac{1}{4}\right) = \frac{x-2}{4} - 1$
20. $\frac{2}{3}\left(\frac{t-1}{2} - \frac{5}{3}\right) + t = 2\left(\frac{t-2}{4} - 1\right) - \frac{t}{2} + 4$