Lösungen zu Kapitel 1.4, Ungleichungen

a) 1) $L = x \in (-2; \infty)$

   2) $L = (-2; 1)$

   3) $L = \left(\dfrac{5}{4}; 5\right)$

   4) $L = (-\infty; -2) \cup \left(\dfrac{1}{7}; 3\right)$

   5) $L = x \in \left(-\infty; \dfrac{1}{2}\right) \cup (2; +\infty)$

   6) $L = \left(-\infty; -\dfrac{11}{12}\right) \cup \left(-\dfrac{1}{2}; 2\right)$

   7) $L = \left(-\infty; -\dfrac{3}{2}\right] \cup (-1; 2]$

   8) $L = \left(-\infty; \dfrac{2}{3}\right) \cup (1; +\infty)$

   9) $L = (-\infty; -2) \cup \left(\dfrac{1}{7}; 3\right)$

   10) $L = (-2; 5)$

   11) $L = [-2; 5]$

   12) $L = [-3; -2) \cup \left(-\dfrac{1}{2}; +\infty\right)$

   13) $L = \left(-\infty; -\dfrac{11}{12}\right) \cup \left(-\dfrac{1}{2}; 2\right)$

   14) $L = (2; 9)$

   15) $L = \left[\dfrac{20}{9}; 4\right) \cup (5; +\infty)$

   16) $L = (-5; 2)$

   17) $L = (5; +\infty)$

   18) $L = (1; 2) \cup (5; +\infty)$

b) 1) $L = \{-\infty; 12\}$

   2) $L = \left[\dfrac{1}{5}; 2\right)$

   3) $L = \left(-\infty; \dfrac{1}{2}\right) \cup (4; \infty)$

   4) $L = \left(\dfrac{3}{2}; 3\right)$

   5) $L = \left(0; \dfrac{1}{10}\right)$

   6) $L = \left[\dfrac{13}{4}; 10\right)$

   7) $L = \left[-\dfrac{26}{3}; \infty\right)$