

6

$$a) \frac{18}{1 + \frac{1}{11}} = 18 : 1\frac{1}{11} = \frac{18}{1\frac{1}{11}} = \frac{18}{\frac{12}{11}} = \frac{18}{1} : \frac{12}{11} = \frac{9}{5} : \frac{12}{11} =$$

$$= \frac{9 \cdot 11}{5 \cdot 12} = \frac{3 \cdot 11}{5 \cdot 4} = \frac{33}{20} = 1\frac{13}{20} = 1,65$$

$$b) 10 \cdot \left(\frac{1}{5}\right)^2 - 12 \cdot \frac{1}{5} = 10 \cdot \frac{1}{25} - \frac{12}{5} = \frac{10}{25} - \frac{12}{5} =$$

$$= \frac{10 - 60}{25} = -\frac{50}{25} = -2$$

$$b) \frac{7,2}{8,3 - 8,6} = \frac{7,2}{-0,3} = -24$$

$$7. \quad \frac{132}{17} \approx 7,7$$

Omlern m.D. 4

8

$$a) (x+20)(-x+10)=0$$

$$x+20=0 \quad -x+10=0$$

$$x=-20 \quad -x=-10$$

$$x=10$$

Omlern -20; 10.

9 Elektr

$$g_1 = \frac{F \cdot r^2}{k \cdot q_2} = \frac{1,008 \cdot 500^2}{9 \cdot 10^9 \cdot 0,004} = 0,007$$