

2011

1. $D = \mathbb{R} \setminus \{-3, -1, 2\}; L = \{7\}$

2. $\frac{17}{9}$

3. $L = [2; 4[$

4. $\alpha = 36^\circ, \beta = 90^\circ, \gamma = 150^\circ, \delta = 84^\circ$

5. a)

b) $y = -\frac{1}{4}x + \frac{3}{4}$

c) $S(\frac{11}{5} / \frac{1}{5})$

d) $y = x - 3$

6. a) F: $f(x) = 0.6x + 3$; G: $g(x) = 0.65x + 1.25$

b) Fotohändler

c) 35 Bilder

7. $x = \frac{a^2 + ab}{a - b}, y = \frac{2b^2}{b - a}$

8. a) $\frac{3}{5}$

b) D; $\frac{3}{5}$

c) 4.5; 10

9. a) 6400

b) 280; 125.22