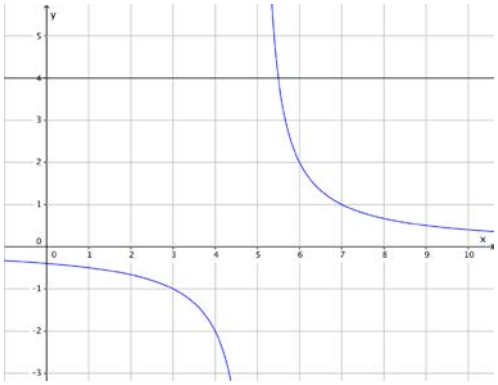
Lösungswege 6 – Online

Arbeitsblatt

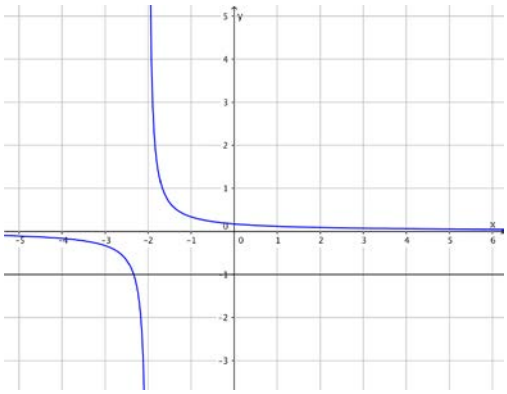
Thema: Bruchungleichungen graphisch lösen		**Grundkompetenz:**
Name:	**Schwierigkeitsgrad:** mittel	**Klasse:**

Stelle die Lösungsmenge L der Bruchungleichung mit G = $\mathbb{R}$ auf der waagrechten Achse graphisch dar. Gib L auch in Intervallschreibweise an.

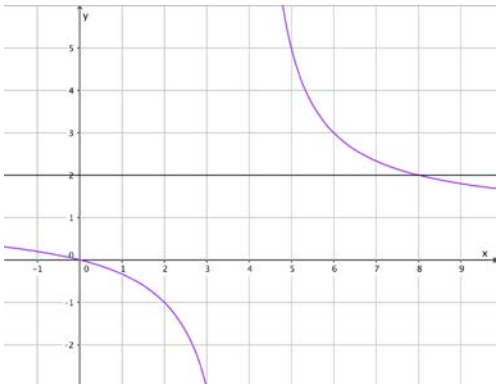
a) $\frac{2}{x-5} < 4$



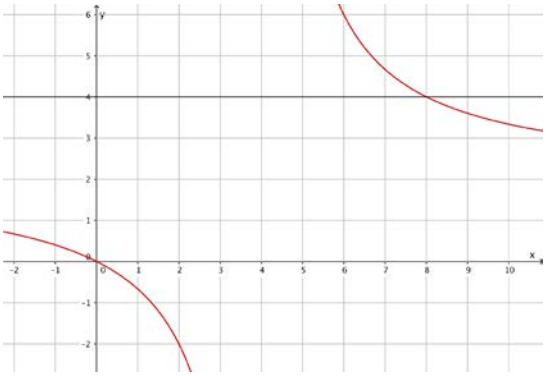
b) $\frac{1}{3x+6} \geq -1$



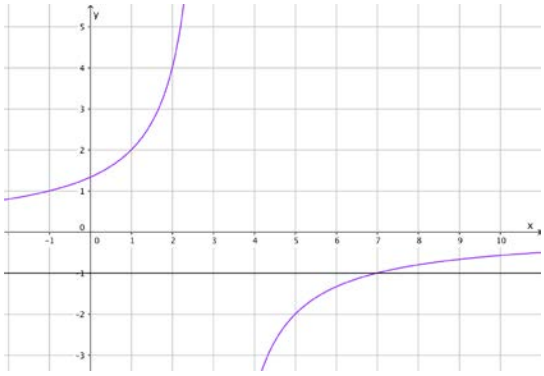
c) $\frac{x}{x-4} > 2$



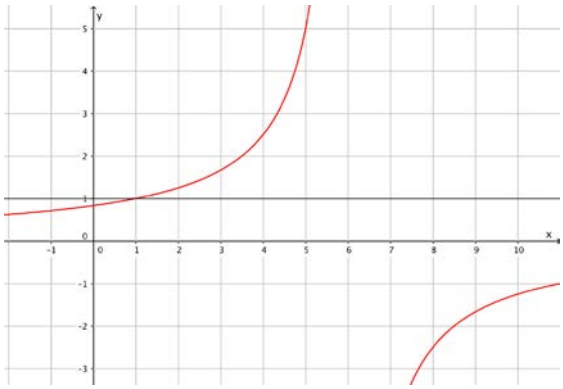
d) $\frac{2x}{x-4} \leq 4$



e) $\frac{4}{3-x} < -1$



f) $\frac{5}{6-x} \geq 1$

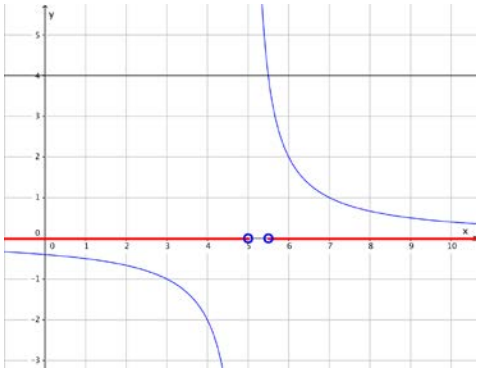


Lösungswege 6 – Online

Arbeitsblatt

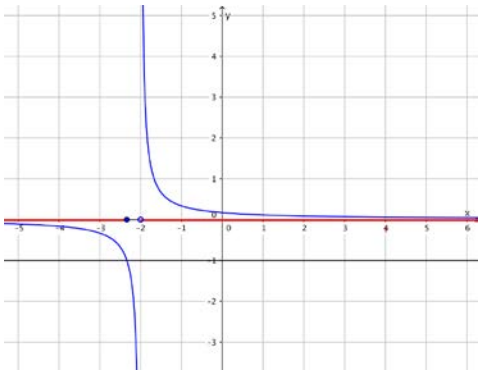
Thema: Bruchungleichungen graphisch lösen - Lösungen		**Grundkompetenz:**
Name:	**Schwierigkeitsgrad:** mittel	**Klasse:**

a)



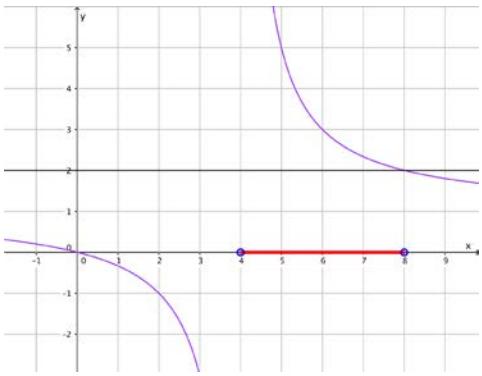
$L = (-\infty; 5) \cup (\frac{11}{2}; \infty)$

b)



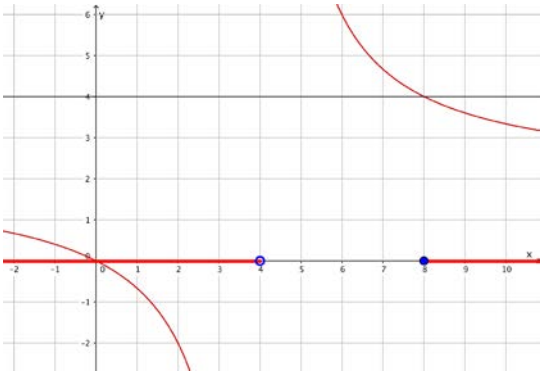
$L = L = (-\infty; -\frac{7}{3}] \cup (-2; \infty)$

c)



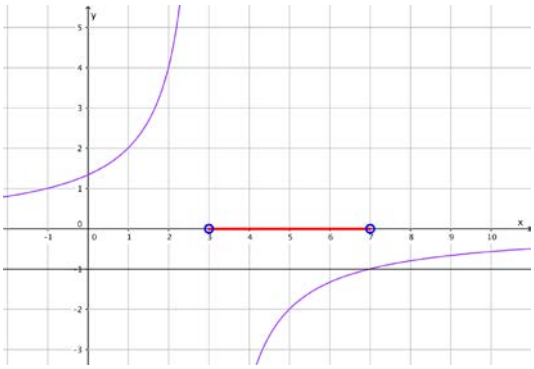
$L = (4; 8)$

d)



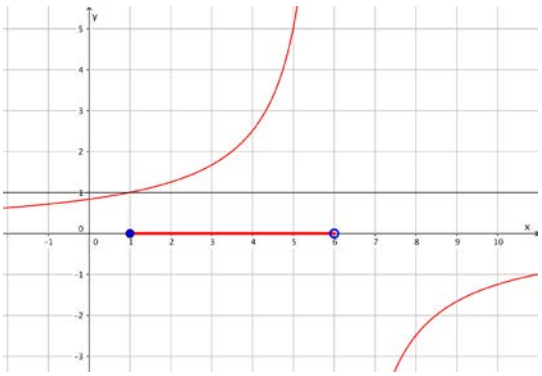
$L = (-\infty; 4) \cup [8; \infty)$

e)



$L = (3; 7)$

f)



$L = [1; 6)$