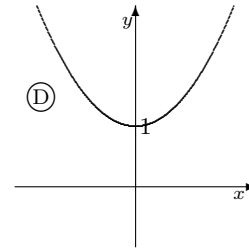
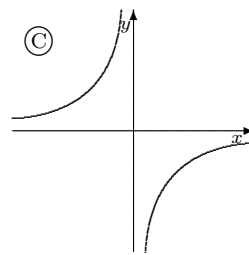
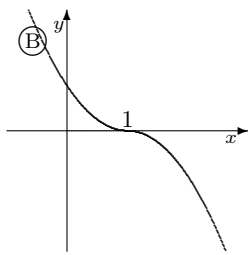
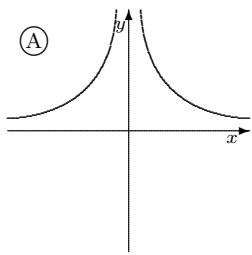


Übungsblatt Potenzfunktionen

Aufgabe 1: Ordne den folgenden Graphenskizzen die passenden Funktionsgleichungen zu!



① $f(x) = \frac{5}{x}$

② $f(x) = -\frac{5}{x}$

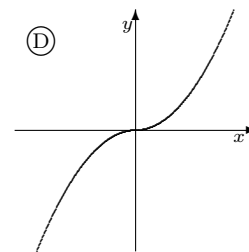
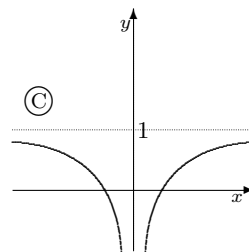
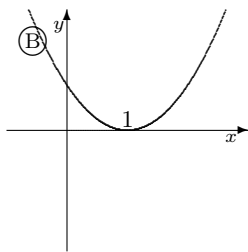
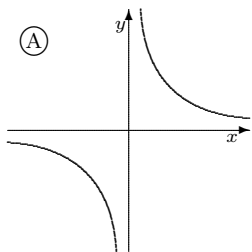
③ $f(x) = \frac{2}{5} \cdot x^{-4}$

④ $f(x) = -2 \cdot (x - 1)^3$

⑤ $f(x) = -\frac{1}{x^2}$

⑥ $f(x) = \frac{2}{5} \cdot x^4 + 1$

Aufgabe 2: Ordne den folgenden Graphenskizzen die passenden Funktionsgleichungen zu!



① $f(x) = \frac{3}{x}$

② $f(x) = -\frac{3}{x}$

③ $f(x) = 0,5 \cdot (x - 1)^4$

④ $f(x) = 2 \cdot x^3$

⑤ $f(x) = -\frac{1}{x^2} + 1$

⑥ $f(x) = 0,5 \cdot x^4 + 1$

Übungsblatt Potenzfunktionen

Lösungen:

0 **1.** $A - 3; B - 4; C - 2; D - 6$

0 **2.** $A - 1; B - 3; C - 5; D - 4$