

# Funktionen – Lineare Funktionen

Lösungsblatt 1

Ordnen Sie die angegebenen linearen Funktionen (= Gleichungen) den Graphen zu und geben Sie die Werte für  $k$  und  $d$  an!

\* /  $f(x): y = x$

\* /  $f(x): y = 2x - 5$

\* /  $f(x): y = -4x + 3$

\* /  $f(x): y = -x - 2$

\* /  $f(x): y = +4,5$

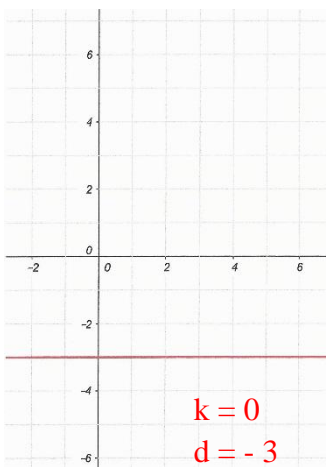
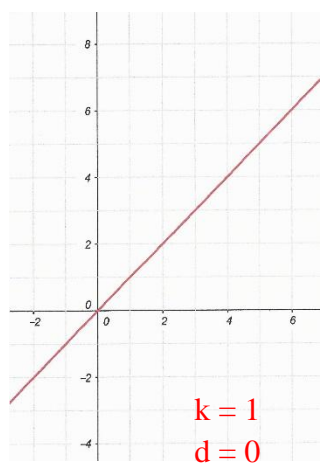
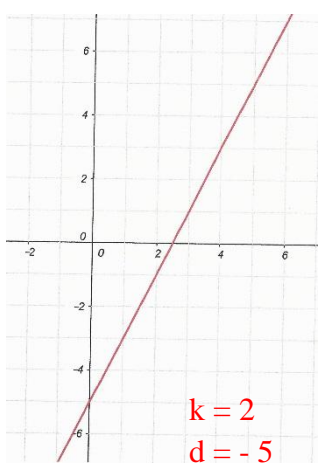
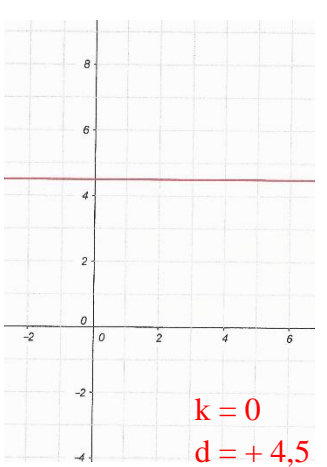
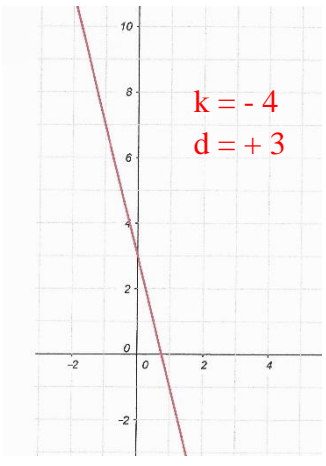
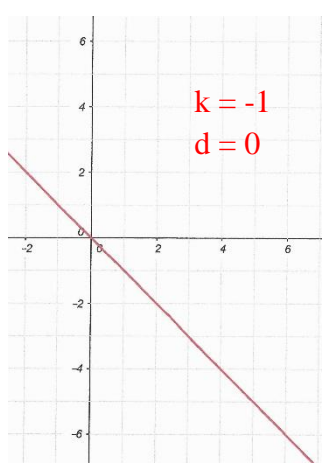
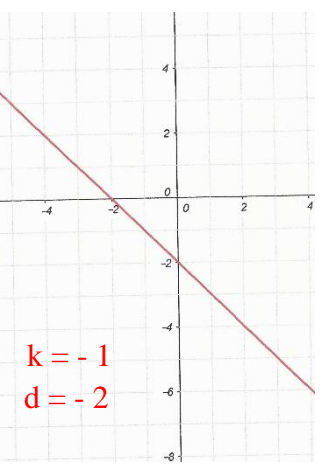
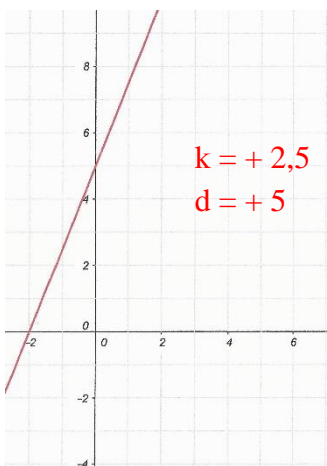
\* /  $f(x): y = -2x + 5$

\* /  $f(x): y = 2,5x + 5$

\* /  $f(x): y = 6x - 4$

\* /  $f(x): y = -3$

\* /  $f(x): y = -x$

$f(x): y = -3$  $k = 0$ $d = -3$	$f(x): y = x$  $k = 1$ $d = 0$	$f(x): y = 2x - 5$  $k = 2$ $d = -5$	$f(x): y = +4,5$  $k = 0$ $d = +4,5$
$f(x): y = -4x + 3$  $k = -4$ $d = +3$	$f(x): y = -x$  $k = -1$ $d = 0$	$f(x): y = -x - 2$  $k = -1$ $d = -2$	$f(x): y = 2,5x + 5$  $k = +2,5$ $d = +5$

Folgende Funktionen sind nicht graphisch dargestellt:

$f(x): y = -2x + 5$

$k = -2; d = +5;$

$f(x): y = 6x - 4$

$k = +6; d = -4;$