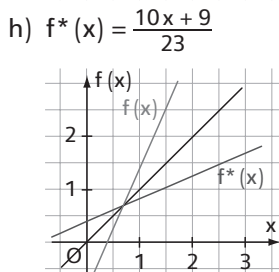
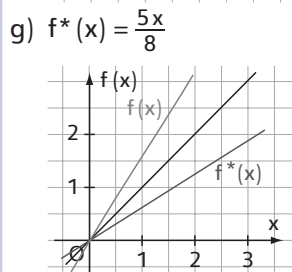
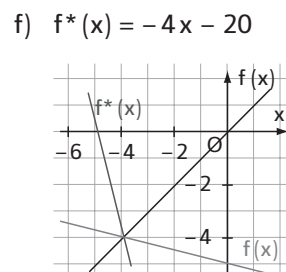
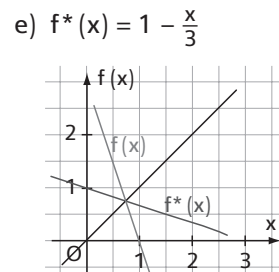
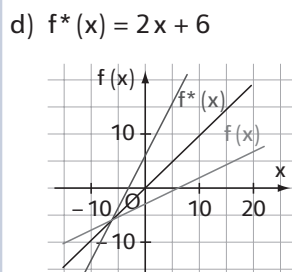
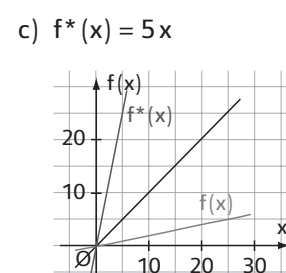
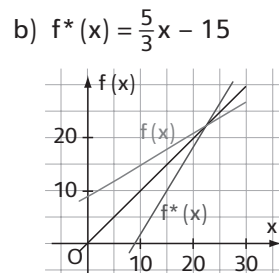
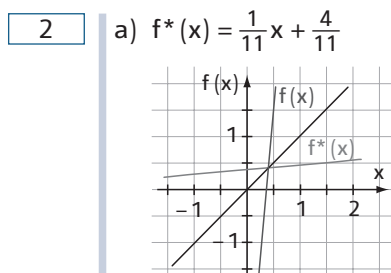
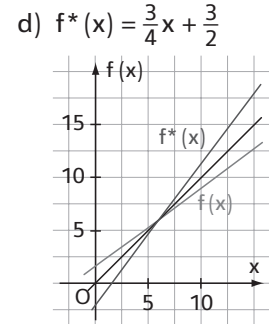
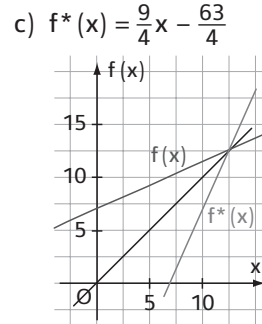
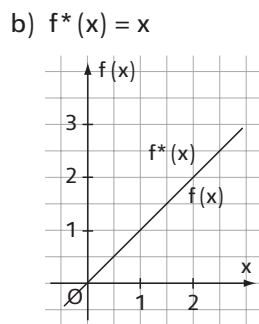
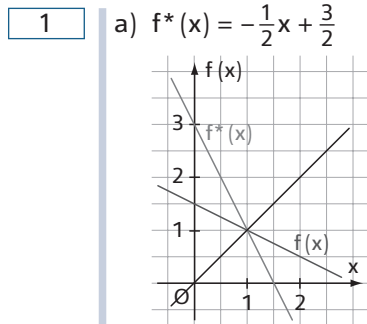


Umkehrfunktion einer linearen Funktion

Arbeitsblatt – Lösungen



3 a) $g: y = 3x - 13$
 c) $g: y = -\frac{1}{3}x - \frac{5}{6}$
 e) $g: y = 4,5x - \frac{175}{2}$

$g^*: y = \frac{1}{3}x + \frac{13}{3}$
 $g^*: y = -3x - \frac{5}{2}$
 $g^*: y = \frac{2}{9}x + \frac{175}{9}$

b) $g: y = -2x + 3$
 d) $g: y = 0,7x + \frac{12}{5}$
 f) $g: y = 0$ $g^*: x = 0$

$g^*: y = -\frac{x}{2} + \frac{3}{2}$
 $g^*: y = \frac{10}{7}x - \frac{24}{7}$
 keine Funktion

4 a) $g: y = \frac{5}{9}x + \frac{7}{9}$
 c) $g: y = \frac{371}{270}x - \frac{604}{9}$
 e) $g: y = -\frac{67}{57}x + \frac{581}{570}$

$g^*: y = \frac{9x}{5} - \frac{7}{5}$
 $g^*: y = \frac{270}{371}x + \frac{18120}{371}$
 $g^*: y = -\frac{57}{67}x - \frac{581}{670}$

b) $g: y = -\frac{5}{7}x - \frac{1}{7}$
 d) $g: y = \frac{7}{11}x + \frac{113}{110}$
 f) $g: y = x$

$g^*: y = -\frac{7}{5}x - \frac{1}{5}$
 $g^*: y = \frac{11}{7}x - \frac{113}{70}$
 $g^*: y = x$