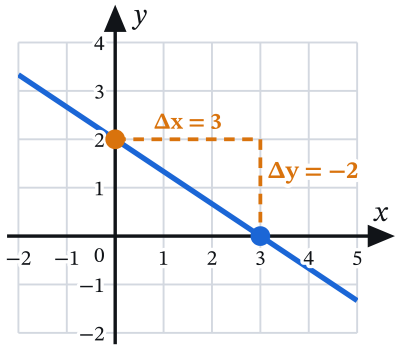
Imena u paru _____ Datum _____

Od grafa do formule

Primjer



Odsječak: graf siječe os y u $(0, 2)$, pa je $l = 2$.

Trokut nagiba: 3 desno, 2 dolje, pa je

$$k = \frac{-2}{3} = -\frac{2}{3}.$$

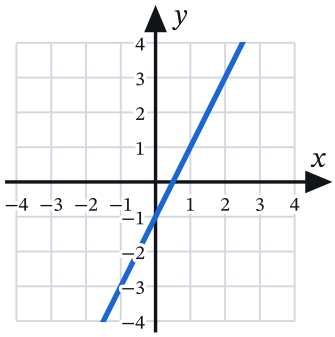
Formula: $y = -\frac{2}{3}x + 2$.

Zapamti

Iz grafa: l se čita na osi y, a k iz trokuta nagiba. Iz dviju točaka: $k = \frac{y_2 - y_1}{x_2 - x_1}$, pa $l = y_1 - kx_1$. Kroz točku (x_1, y_1) s koeficijentom k: $y - y_1 = k(x - x_1)$.

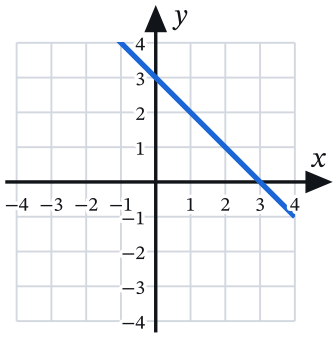
1 U PARU Napišite formule pravaca.

a)



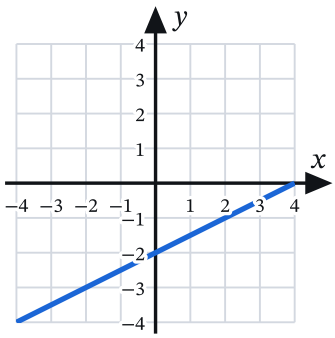
$y =$ ☐

b)



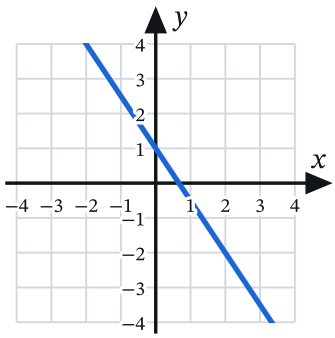
$y =$ ☐

c)



$y =$ ☐

d)



$y =$ ☐

Imena u paru _____ Datum _____

2 SAMOSTALNO Odredi formulu pravca kroz dvije točke.

Točke	k	l	Formula
$A(1, 3), B(3, 7)$	$\frac{\square}{\square} = \square$	$\square$	$y = \square$
$A(-2, 5), B(2, -1)$	$\frac{\square}{\square} = \square$	$\square$	$y = \square$
$A(0, -4), B(6, 0)$	$\frac{\square}{\square} = \square$	$\square$	$y = \square$

3 SAMOSTALNO Pravac prolazi točkom T i ima zadani k. Zapiši $y - y_1 = k(x - x_1)$ i sredi.

$T(2, 1)$, $k = 3$

$\square$

$y = \square$

$T(-1, 4)$, $k = -2$

$\square$

$y = \square$

4 U PARU **Pronađite pogrešku.** Marko: točke $(1, 2)$ i $(3, 8)$, pa je $k = \frac{3 - 1}{8 - 2} = \frac{1}{3}$.

---

5 U PARU Igra u paru: jedan nacrta pravac kroz dva čvora mreže, drugi napiše formulu. Zamijenite uloge tri puta.

Aplikacija Pravac · otooly.com/pravac

Način **Dvije točke** i **Pogodi pravac** (Graf → formula).

Aplikacija Geoploča · otooly.com/geoploca

Ploča **Funkcije**, zadatak Gumica → formula.

★ SAMOSTALNO **Izlazna kartica.** Pravac kroz $(0, -1)$ i $(2, 3)$: $y = \square$