

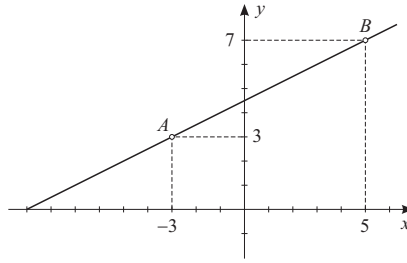
Rješenja zadatka 8.1

Zadatak 1. Ucrtaj u koordinatnom sustavu točke A i B , te odredi nagib pravca AB ako je

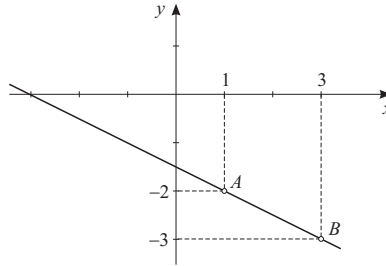
- 1) $A(-3, 3)$, $B(5, 7)$; 2) $A(1, -2)$, $B(3, -3)$;
 3) $A(-2, 1)$, $B(4, 1)$; 4) $A(2, 5)$, $B(2, -1)$;
 5) $A(-3, 2)$, $B(-1, -1)$;
 6) $A(1, -1)$, $B(4, 4)$.

Rješenje.

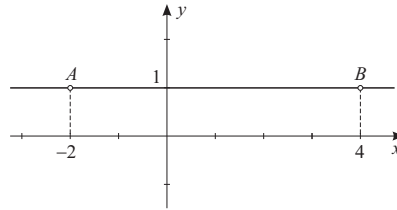
$$1) A(-3, 3), B(5, 7); \quad k = \frac{y_2 - y_1}{x_2 - x_1} = \frac{7 - 3}{5 - (-3)} = \frac{4}{8} = \frac{1}{2};$$



$$2) A(1, -2), B(3, -3); \quad k = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - (-2)}{3 - 1} = \frac{-1}{2};$$

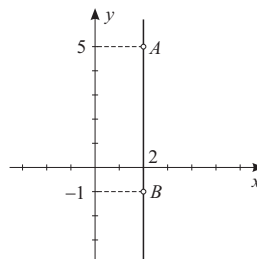


$$3) A(-2, 1), B(4, 1); \quad k = \frac{y_2 - y_1}{x_2 - x_1} = \frac{1 - 1}{4 - (-2)} = 0;$$

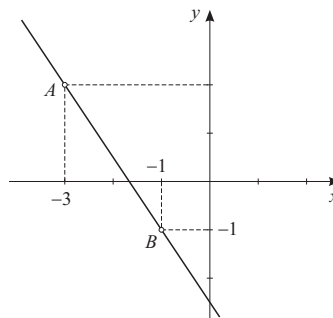


$$4) A(2, 5), B(2, -1); \quad k = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 5}{2 - 2} = \frac{-6}{0} \text{ nagib nije definiran}$$

(pravac paralelan s osi y);



$$5) A(-3, 2), B(-1, -1); k = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 2}{-1 + 3} = -\frac{3}{2};$$



$$6) A(1, -1), B(4, 4); k = \frac{y_2 - y_1}{x_2 - x_1} = \frac{4 + 1}{4 - 1} = \frac{5}{3}.$$

