

**Find the coordinates of the intersection of each pair of lines below:**

1.  $y = -\frac{5}{4}x - \frac{3}{4}$  and  $y = -\frac{1}{2}x + \frac{3}{2}$

2.  $y = -\frac{1}{5}x + \frac{39}{5}$  and  $y = \frac{1}{4}x + 6$

3.  $y = \frac{3}{2}x + 7$  and  $y = -\frac{5}{4}x + \frac{25}{2}$

4.  $y = -\frac{3}{2}x - 19$  and  $y = \frac{2}{5}x$

5.  $y = -\frac{1}{2}x + 8$  and  $y = \frac{1}{3}x + \frac{19}{3}$

6.  $y = -3x - 30$  and  $y = \frac{5}{2}x + 25$

7.  $y = \frac{2}{3}x + \frac{40}{3}$  and  $y = \frac{1}{2}x + 12$

8.  $y = -\frac{3}{4}x + 10$  and  $y = -\frac{5}{4}x + 10$

9.  $y = -\frac{5}{2}x - \frac{19}{2}$  and  $y = -3x - 12$

10.  $y = -\frac{1}{4}x - \frac{7}{4}$  and  $y = \frac{1}{2}x - \frac{11}{2}$

11.  $y = \frac{5}{2}x - 10$  and  $y = 5x - 10$

12.  $y = -\frac{4}{5}x + 2$  and  $y = -\frac{3}{4}x + \frac{5}{2}$

13.  $y = -x - 1$  and  $y = \frac{5}{2}x - 1$

14.  $y = 2x + 1$  and  $y = \frac{1}{3}x + \frac{8}{3}$

15.  $y = -5x - 17$  and  $y = \frac{5}{3}x - \frac{11}{3}$

16.  $y = \frac{5}{2}x + 5$  and  $y = -\frac{1}{5}x - \frac{29}{5}$

17.  $y = -2x + 23$  and  $y = 4x - 19$

18.  $y = -\frac{4}{3}x + \frac{16}{3}$  and  $y = \frac{3}{5}x - \frac{12}{5}$

19.  $y = -\frac{1}{2}x + \frac{13}{2}$  and  $y = 2x + 24$

20.  $y = -\frac{1}{4}x - \frac{21}{4}$  and  $y = \frac{3}{5}x - \frac{39}{5}$

21.  $y = \frac{1}{3}x - \frac{7}{3}$  and  $y = -\frac{3}{4}x - 11$

22.  $y = -\frac{4}{5}x - 10$  and  $y = \frac{1}{5}x - 10$

23.  $y = -\frac{1}{2}x + \frac{7}{2}$  and  $y = -\frac{2}{5}x + \frac{19}{5}$

24.  $y = -4x - 19$  and  $y = -\frac{5}{3}x - \frac{22}{3}$

25.  $y = x - 4$  and  $y = -\frac{4}{3}x - \frac{19}{3}$

26.  $y = x - 19$  and  $y = -\frac{2}{5}x - 5$

27.  $y = -\frac{1}{2}x - \frac{11}{2}$  and  $y = -\frac{1}{4}x - \frac{17}{4}$

28.  $y = -\frac{3}{2}x - \frac{5}{2}$  and  $y = x + 10$

29.  $y = \frac{3}{2}x - 12$  and  $y = -\frac{5}{2}x - 4$

30.  $y = -\frac{4}{5}x - \frac{32}{5}$  and  $y = 4x - 16$

31.  $y = 3x - 15$  and  $y = \frac{3}{5}x - 3$

32.  $y = -\frac{2}{5}x - 5$  and  $y = \frac{4}{3}x - \frac{67}{3}$

33.  $y = -x + 6$  and  $y = -\frac{5}{4}x + \frac{33}{4}$



34.  $y = \frac{1}{3}x + \frac{31}{3}$  and  $y = \frac{5}{2}x + \frac{39}{2}$

35.  $y = -x + 3$  and  $y = -4x - 6$

36.  $y = \frac{3}{5}x - 3$  and  $y = -\frac{4}{5}x - 17$

37.  $y = 5x + 21$  and  $y = \frac{5}{2}x + \frac{27}{2}$

38.  $y = -\frac{3}{5}x - \frac{43}{5}$  and  $y = -\frac{1}{5}x - \frac{31}{5}$

39.  $y = -\frac{5}{3}x - \frac{40}{3}$  and  $y = -4x - 32$

40.  $y = -\frac{1}{2}x + 4$  and  $y = -\frac{5}{3}x - \frac{23}{3}$

41.  $y = -4x - 30$  and  $y = -5x - 40$

42.  $y = -\frac{1}{2}x - 3$  and  $y = -\frac{3}{5}x - \frac{17}{5}$

43.  $y = 5x - 26$  and  $y = -\frac{1}{2}x + 7$

44.  $y = -\frac{4}{3}x + \frac{28}{3}$  and  $y = 4x - 44$

45.  $y = -\frac{1}{2}x - 5$  and  $y = -5x - 41$

46.  $y = -\frac{3}{2}x - 3$  and  $y = \frac{3}{5}x + \frac{27}{5}$

47.  $y = -5x + 10$  and  $y = -\frac{5}{4}x + 10$

48.  $y = \frac{1}{5}x - \frac{43}{5}$  and  $y = \frac{1}{4}x - \frac{17}{2}$

49.  $y = \frac{4}{3}x + 5$  and  $y = -\frac{3}{2}x - \frac{41}{2}$

50.  $y = -\frac{1}{5}x + \frac{49}{5}$  and  $y = -x + 13$

51.  $y = -2x + 26$  and  $y = -\frac{2}{3}x + \frac{38}{3}$

52.  $y = \frac{5}{4}x + 11$  and  $y = \frac{3}{4}x + 9$

53.  $y = \frac{2}{5}x + 4$  and  $y = \frac{1}{3}x + \frac{11}{3}$

54.  $y = 2x - 15$  and  $y = -\frac{3}{2}x + 6$

55.  $y = -4x - 40$  and  $y = -\frac{4}{5}x - \frac{56}{5}$

56.  $y = \frac{2}{5}x + \frac{17}{5}$  and  $y = \frac{2}{3}x + 1$

57.  $y = \frac{5}{4}x + 9$  and  $y = -\frac{1}{2}x + 9$

58.  $y = -\frac{4}{3}x + \frac{31}{3}$  and  $y = \frac{4}{3}x - \frac{49}{3}$

59.  $y = -5x - 47$  and  $y = -\frac{3}{5}x - 3$

60.  $y = \frac{5}{3}x - 3$  and  $y = \frac{2}{3}x - 3$

61.  $y = -\frac{1}{5}x + \frac{21}{5}$  and  $y = -2x - 3$

62.  $y = -2x + 16$  and  $y = -\frac{5}{4}x + \frac{55}{4}$

63.  $y = -5x + 48$  and  $y = \frac{1}{2}x + 4$

64.  $y = -\frac{1}{5}x - \frac{9}{5}$  and  $y = x - 3$

65.  $y = \frac{2}{5}x - \frac{47}{5}$  and  $y = -\frac{1}{4}x - \frac{11}{2}$



66.  $y = -3x + 14$  and  $y = -\frac{5}{3}x + 6$

67.  $y = -\frac{1}{4}x - 1$  and  $y = -\frac{5}{4}x + 3$

68.  $y = \frac{4}{3}x - 3$  and  $y = -\frac{3}{4}x + \frac{19}{2}$

69.  $y = \frac{5}{4}x - \frac{41}{2}$  and  $y = -\frac{4}{5}x$

70.  $y = 5x - 38$  and  $y = -2x + 4$

71.  $y = \frac{3}{4}x + \frac{27}{2}$  and  $y = x + 16$

72.  $y = \frac{5}{2}x$  and  $y = \frac{1}{5}x - \frac{46}{5}$

73.  $y = \frac{1}{5}x + \frac{34}{5}$  and  $y = -\frac{4}{3}x + 16$

74.  $y = 2x + 24$  and  $y = -\frac{2}{5}x + \frac{24}{5}$

75.  $y = -\frac{3}{2}x + \frac{17}{2}$  and  $y = -\frac{3}{4}x + \frac{13}{4}$

76.  $y = -\frac{5}{4}x - \frac{21}{2}$  and  $y = -5x - 33$

77.  $y = x + 4$  and  $y = 2x + 14$

78.  $y = -\frac{4}{3}x + \frac{19}{3}$  and  $y = \frac{2}{3}x - \frac{5}{3}$

79.  $y = 3x + 17$  and  $y = -\frac{5}{2}x - \frac{43}{2}$

80.  $y = \frac{3}{4}x - 4$  and  $y = -2x + 7$

81.  $y = -\frac{5}{3}x + \frac{29}{3}$  and  $y = -\frac{1}{3}x + \frac{25}{3}$

82.  $y = \frac{4}{5}x - 2$  and  $y = -\frac{2}{3}x - 2$

83.  $y = -\frac{2}{3}x + \frac{16}{3}$  and  $y = \frac{1}{5}x + \frac{31}{5}$

84.  $y = -\frac{4}{5}x - \frac{47}{5}$  and  $y = \frac{2}{3}x + \frac{7}{3}$

85.  $y = -4x + 10$  and  $y = \frac{3}{5}x + \frac{4}{5}$

86.  $y = -\frac{4}{3}x - \frac{4}{3}$  and  $y = -\frac{1}{2}x + \frac{9}{2}$

87.  $y = -\frac{5}{2}x - 12$  and  $y = -\frac{3}{5}x - \frac{22}{5}$

88.  $y = \frac{5}{4}x + 7$  and  $y = -\frac{5}{2}x - 8$

89.  $y = \frac{5}{2}x + \frac{17}{2}$  and  $y = 3x + 10$

90.  $y = \frac{5}{4}x - \frac{73}{4}$  and  $y = -\frac{1}{4}x - \frac{19}{4}$

91.  $y = -\frac{5}{3}x + \frac{40}{3}$  and  $y = -x + 12$

92.  $y = -\frac{3}{2}x - 13$  and  $y = 4x - 2$

93.  $y = -\frac{5}{2}x - 24$  and  $y = -\frac{1}{3}x - \frac{7}{3}$

94.  $y = -\frac{5}{2}x - \frac{21}{2}$  and  $y = 2x + 21$

95.  $y = -\frac{1}{4}x - 2$  and  $y = \frac{4}{5}x - 2$

96.  $y = -\frac{1}{2}x - 5$  and  $y = \frac{2}{3}x - \frac{50}{3}$

97.  $y = -\frac{5}{3}x - 15$  and  $y = \frac{3}{4}x + \frac{27}{4}$