



÷ + × =

matematica.fun

÷ +

×

R.TITEL



Inecuații în $\mathbb{R}$

Determinați mulțimea soluțiilor reale pentru următoarele inecuații:

1. $x + 2 > 1$

2. $x + 5 < -3$

3. $x - 4 \geq 2$

4. $x + 3 \leq -2$

5. $x - 7 > -5$

6. $x + 6 < 4$

7. $x - 2 \geq -8$

8. $x + 4 \leq 7$

9. $x - 5 > 3$

10. $x + 7 \geq -4$

11. $2x < 8$

12. $-3x > 9$

13. $4x \leq -12$

14. $-2x \geq -10$

15. $5x > 15$

16. $-4x < -8$

17. $3x \geq -6$

18. $-5x \leq 20$

19. $6x < -18$

20. $-6x \geq 12$

21. $-x < 4$

22. $-x > -3$

23. $-x \leq 6$

24. $-x \geq -5$

25. $-x < -2$

26. $7 - x < 3$

27. $-x + 2 > 4$

28. $-5 - x \leq 1$

29. $-x - 3 \geq -7$

30. $4 - x > -2$

31. $-x + 6 \leq -3$

32. $-2 - x \geq 5$

33. $-x - 4 < 2$

34. $8 - x \leq -6$

35. $-x + 3 \geq 7$

36. $2x + 5 < 3$

37. $-3x - 1 > 8$

38. $1 - 2x \leq -9$

39. $4x - 7 \geq 5$

40. $-2x + 3 < -5$

41. $-6 - 3x \geq 9$

42. $5x + 2 \leq -13$



÷ + × =

matematica.fun

△ ÷ + × □

Locul unde matematica devine joacă!



÷ + ×

matematica.fun

÷ +

×

R.TITEL



43. $-4x - 5 > 7$

44. $8 - 2x < -4$

45. $3x - 4 \geq -10$

46. $2 < x - 7$

47. $5 < 2x + 9$

48. $-3 \geq x + 4$

49. $7 > -2x + 1$

50. $-5 \leq 3x - 2$

51. $4 \geq -x - 6$

52. $-8 < 5x + 2$

53. $6 \leq -3x - 9$

54. $-1 > 7 - x$

55. $-4 \geq 2x - 10$

56. $x + 3 < 2x - 1$

57. $2x - 5 > 3x + 2$

58. $3x + 4 \leq x - 6$

59. $-2x + 7 \geq x - 5$

60. $4x - 3 < 2x + 9$

61. $-3x - 2 > x + 6$

62. $2x + 5 \leq -x - 7$

63. $-x + 8 \geq 3x - 4$

64. $5x - 6 > 2x + 9$

65. $-2x - 5 < 2x + 7$

66. $3(x + 3) < 2(x - 1)$

67. $2(x - 4) > 3(x + 1)$

68. $4(x - 2) \leq 2(x + 5)$

69. $-2(x + 3) \geq 3(x - 2)$

70. $5(x - 1) < 3(x + 3)$

71. $-3(x - 2) > 2(x + 3)$

72. $2(x + 5) \leq -2(x - 3)$

73. $-4(x + 1) \geq 2(x - 4)$

74. $3(x - 5) > 5(x + 1)$

75. $-2(x - 3) < 4(x + 3)$

76. $2(x + 2) - 3(2x - 1) < 4(3x - 2) - 3(x + 8)$

77. $3(x - 2) - 2(2x + 3) > 2(3x + 1) - 3(x + 2)$

78. $2(x + 2) - 3(2x - 1) \leq 3(2x + 1) - 3(3x - 2)$

79. $4(x - 1) - 2(3x + 2) \geq 3(2x - 1) - 3(x + 5)$

80. $3(x + 2) - 2(2x - 1) < 2(3x + 4) - 3(x - 4)$

81. $5(x - 2) - 3(2x + 1) > 2(2x - 3) - 2(x + 5)$

82. $2(x - 3) - 4(2x + 1) \leq 3(2x - 2) - 2(4x + 6)$

83. $4(x + 3) - 3(2x - 2) \geq 2(3x + 1) - 3(x - 2)$



÷ + ×

matematica.fun

△ ÷ + × □

Locul unde matematica devine joacă!



÷ + ×

matematica.fun

÷ +

×

R.TITEL



84. $3(x - 4) - 2(3x + 2) > 4(2x - 1) - 2(5x + 4)$

85. $5(x + 1) - 2(3x - 2) < 3(2x + 1) - 2(2x + 6)$

86. $|2x - 4| < 8$

87. $|3x + 6| \leq 9$

88. $|2x + 2| > 6$

89. $|4x - 8| \geq 12$

90. $|5x + 10| < 15$

91. $|\frac{x+3}{5}| < 1$

92. $|\frac{x-2}{3}| \leq 2$

93. $|\frac{x+4}{2}| > 3$

94. $|\frac{x-5}{4}| \geq 2$

95. $|\frac{2x+6}{4}| < 2$

96. $\frac{x-3}{3} < \frac{2x+2}{2}$

97. $\frac{x+3}{4} - \frac{x-5}{3} > \frac{2x+2}{6} - \frac{3x-2}{2}$

98. $\frac{2x-4}{3} \geq \frac{x+1}{2}$

99. $\frac{x+1}{2} - \frac{x-2}{3} < \frac{2x-3}{6}$

100. $\frac{x-2}{3} + \frac{x+4}{2} \leq \frac{3x+1}{6} + \frac{x-1}{2}$

101. $x + \frac{1}{2} > \frac{3}{4}$

102. $x - 1,5 < -0,5$

103. $x + \frac{2}{3} \geq -\frac{1}{6}$

104. $x - 2,4 \leq 1,2$

105. $x + \frac{3}{5} < -\frac{7}{10}$

106. $\frac{1}{2}x < \frac{3}{4}$

107. $-1,5x > 3$

108. $\frac{2}{3}x \leq -\frac{4}{9}$

109. $-0,4x \geq -1,2$

110. $-\frac{3}{5}x < \frac{9}{10}$

111. $-x < \frac{2}{3}$

112. $-x > -1,4$

113. $-x \leq -\frac{5}{6}$

114. $-x \geq 2,5$

115. $-x < -0,75$

116. $\frac{3}{4} - x < \frac{1}{2}$

117. $-x + 1,2 > -0,8$

118. $-\frac{2}{3} - x \leq \frac{1}{6}$

119. $-x - 0,5 \geq -1,7$

120. $2,4 - x \leq -0,6$

121. $\frac{1}{2}x + \frac{3}{4} < \frac{5}{4}$

122. $-1,5x - 0,3 > 1,2$



÷ + ×

matematica.fun



△ ÷ + × □



÷ + ×

matematica.fun

÷ +

×

R.TITEL



123. $\frac{2}{3}x - \frac{1}{6} \leq -\frac{5}{6}$

124. $0,5 - 0,4x \geq -0,7$

125. $-\frac{3}{4}x + \frac{1}{2} < -\frac{1}{4}$

126. $\frac{1}{4} < x - \frac{3}{4}$

127. $-0,6 \geq x + 1,2$

128. $\frac{5}{6} \leq \frac{2}{3}x - \frac{1}{2}$

129. $1,5 > -0,5x + 0,3$

130. $-\frac{1}{2} < \frac{3}{4} - x$

131. $x + \frac{1}{2} < \frac{3}{2}x - \frac{1}{4}$

132. $0,5x - 1,2 > 1,5x + 0,3$

133. $\frac{2}{3}x + \frac{1}{6} \leq \frac{1}{3}x - \frac{1}{2}$

134. $-0,4x + 1,2 \geq 0,2x - 0,6$

135. $-\frac{1}{2}x - \frac{3}{4} < \frac{1}{4}x + \frac{3}{8}$

136. $x + \sqrt{2} > 3\sqrt{2}$

137. $x - 2\sqrt{3} < -\sqrt{3}$

138. $x + \sqrt{5} \geq -2\sqrt{5}$

139. $x - 3\sqrt{2} \leq \sqrt{2}$

140. $x + 2\sqrt{3} < -\sqrt{3}$

141. $\sqrt{2}x < 6$

142. $-\sqrt{3}x > 9$

143. $2\sqrt{5}x \leq 10$

144. $-2\sqrt{2}x \geq -8$

145. $-3\sqrt{3}x < -18$

146. $-x < 2\sqrt{2}$

147. $-x > -\sqrt{3}$

148. $-x \leq -3\sqrt{5}$

149. $-x \geq 4\sqrt{2}$

150. $-x < -2\sqrt{3}$

151. $3\sqrt{2} - x < \sqrt{2}$

152. $-x + 2\sqrt{3} > -\sqrt{3}$

153. $-\sqrt{5} - x \leq 2\sqrt{5}$

154. $-x - 2\sqrt{2} \geq -5\sqrt{2}$

155. $4\sqrt{3} - x \leq -\sqrt{3}$

156. $2x + \sqrt{2} < 5\sqrt{2}$

157. $-3x - \sqrt{3} > 5\sqrt{3}$

158. $\sqrt{2}x - 2 \leq 4$

159. $3 - \sqrt{3}x \geq -6$

160. $-2\sqrt{5}x + 5 < -15$

161. $2\sqrt{2} < x - \sqrt{2}$

162. $-\sqrt{3} \geq x + 2\sqrt{3}$

163. $5\sqrt{5} \leq 2x + \sqrt{5}$



÷ + ×

matematica.fun

△ ÷ + × □

Locul unde matematica devine joacă!



÷ + ×

matematica.fun

÷ +

×

R.TITEL



164. $6 > -\sqrt{2}x + 2$

165. $-3\sqrt{3} < \sqrt{3} - x$

166. $x + \sqrt{2} < 2x - \sqrt{2}$

167. $2x - 3\sqrt{3} > 3x + \sqrt{3}$

168. $3x + \sqrt{5} \leq x - 3\sqrt{5}$

169. $-\sqrt{2}x + 4 \geq \sqrt{2}x - 4$

170. $2\sqrt{3}x - 3 < \sqrt{3}x + 6$



÷ + ×



matematica.fun



÷ + ×



Locul unde matematica devine joacă!