risolvi le seguenti disequazioni riconducibili al primo grado mediante scomposizione

1	$(x-1)(x+2)(3-x) \leq 0$	$-2 \leq x \leq 1 \vee x \geq 3$
2	$-x(x+1)(1-x) < 0$	$x < -1 \vee 0 < x < 1$
3	$(x+1)(x-1) > 0$	$x < -1 \vee x > 1$
4	$(x+3)(x-5)(x+1) > 0$	$-3 < x < -1 \vee x > 5$
5	$(x-1)(x+1) - (x-3)^2 < 3$	$x < \frac{13}{6}$
6	$4(2x-1) - x + (2x-1)^2 > 4(x-2)^2 - 12(x-1)$	$x > 1$
7	$x^2 - 9 < (x-3)(x+3) + 2x$	$x > 0$
8	$(2x+1)^2 \leq (2x+1)(x-2)$	$-3 \leq x \leq -\frac{1}{2}$
9	$(x+2)(x-3) < (x-2)(x+3)$	$x > 0$
10	$(x-3)(x+3) - (x-1)^2 > 2x+1$	$\emptyset$
11	$(1-x)^3 + (1+x)^3 < 6x^2 - x + 3$	$x < 1$
12	$(2y+3)^2 - (2y+1)^2 \geq (1-y)^2 - y^2$	$y \geq -\frac{7}{10}$
13	$(x-2)^8(x^2+1)^{10}(3-x) \geq 0$	$x \leq 3$
14	$(x-1)^3 - (x+1)^3 + 6x\left(x-\frac{1}{2}\right) < (x-1)^2 - (x+1)^2$	$x < 2$
15	$x\left(\frac{5}{3}x - 2x\right) - \frac{1}{3} < -\frac{x}{3}(x+2) - \frac{19}{6}$	$x < -\frac{17}{4}$

16	$(x-1)^3-(x+1)^3>2x-2-6x^2+2(x+1)(x-1)-2(x-2)^2$	$x<1$
17	$(x+3)^3-4[x+5-(x+8)]^3>(x-3)^2(x+3)+12(x+1)^2$	$x>-8$
18	$\frac{1}{x}\leq 0$	$x<0$
19	$\frac{x-2}{x+3}>0$	$x<-3 \quad \vee \quad x>2$
20	$\frac{x+3}{x-2}>0$	$x<-3 \quad \vee \quad x>2$
21	$-\frac{2x+3}{5x+1}\geq 0$	$-\frac{3}{2}\leq x<-\frac{1}{5}$
22	$\frac{2x-1}{x-3}>0$	$x<\frac{1}{2} \quad \vee \quad x>3$
23	$\frac{5-x}{2x+2}<0$	$x<-1 \quad \vee \quad x>5$
24	$\frac{x-2}{x-16}<0$	$2<x<16$
25	$\frac{2x-1}{5-x}\leq 0$	$x\leq\frac{1}{2} \quad \vee \quad x>5$
26	$\frac{3x+7}{4x-1}\geq 0$	$x\leq-\frac{7}{3} \quad \vee \quad x>\frac{1}{4}$
27	$\frac{3-x}{2-7x}\geq 0$	$x<\frac{2}{7} \quad \vee \quad x\geq 3$
28	$\frac{x+5}{x-2}\leq 0$	$-5\leq x<2$
29	$\frac{2+x}{x-1}<0$	$-2<x<1$

30	$\frac{1-3x}{4x-3}<0$	$x<\frac{1}{3} \quad \vee \quad x>\frac{3}{4}$
31	$\frac{2-x}{4+x}\geq 0$	$-4<x\leq 2$
32	$\frac{22-x}{1-x}-7\geq 0$	$-\frac{5}{2}\leq x<1$
33	$\frac{1-x}{3x}-1\geq 0$	$0<x\leq\frac{1}{4}$
34	$\frac{2x-5}{4x+1}<0$	$-\frac{1}{4}<x<\frac{5}{2}$
35	$\frac{2x}{x+1}\leq 0$	$-1<x\leq 0$
36	$\frac{x-2}{x-16}<0$	$2<x<16$
37	$\frac{3x+6}{2x-8}>0$	$x<-2 \quad \vee \quad x>4$
38	$\frac{3x+2}{4x+6}>0$	$x<-\frac{3}{2} \quad \vee \quad x>-\frac{2}{3}$
39	$\frac{7x-2}{8-4x}<0$	$x<\frac{2}{7} \quad \vee \quad x>2$
40	$\frac{7}{x-5}<0$	$x<5$
41	$\frac{15}{7+x}-15\geq 0$	$-7<x\leq -6$
42	$\frac{1-x}{2x}\geq 0$	$0<x\leq 1$
43	$\frac{3x-6}{2x+1}\geq 0$	$x<-\frac{1}{2} \quad \vee \quad x\geq 2$

44	$\frac{37-25x}{4x-5}>0$	$\frac{5}{4}<x<\frac{37}{25}$
45	$\frac{2x}{x+1}\leq 0$	$-1<x\leq 0$
46	$\frac{2x-5}{4x+1}\leq 0$	$-\frac{1}{4}<x\leq\frac{5}{2}$
47	$\frac{x-5}{x+3}\leq 0$	$-3<x\leq 5$
48	$\frac{4+10x}{4-3x}<0$	$x<-\frac{2}{5}\ \vee\ x>\frac{4}{3}$
49	$\frac{2-x}{x+4}\geq 0$	$-4<x\leq 2$
50	$\frac{3x-15}{2x+4}>0$	$x<-2\ \vee\ x>5$
51	$2-\frac{x-12}{3x+1}\leq 0$	$-\frac{14}{5}\leq x<-\frac{1}{3}$
52	$2-\frac{5}{x-10}<0$	$10<x<\frac{25}{2}$
53	$\frac{6}{x-3}-\frac{5}{2}>0$	$3<x<\frac{27}{5}$
54	$5-\frac{1+2x}{2x-1}\geq 0$	$x<\frac{1}{2}\ \vee\ x\geq\frac{3}{4}$
55	$\frac{2}{3}-\frac{10}{3-x}>0$	$x<-12\ \vee\ x>3$
56	$\frac{1-x}{3x}-1\geq 0$	$0<x\leq\frac{1}{4}$
57	$\frac{5}{\frac{3x-2}{7}}<0$	$\frac{2}{3}<x<2$

58	$\frac{x^2-x}{x+1}>0$	$-1<x<0 \vee x>1$
59	$\frac{x^2+x}{3x-1}>0$	$-1<x<0 \vee x>\frac{1}{3}$
60	$\frac{(4-x)(x+2)}{3x-1}<0$	$-2<x<\frac{1}{3} \vee x>4$
61	$\frac{2}{(x+5)^3}>0$	$x>-5$
62	$-\frac{3}{(2-3x)^5}>0$	$x>\frac{2}{3}$
63	$\frac{8}{(12x-6)^4}>0$	$x\neq\frac{1}{2}$
64	$\frac{(x-3)(2x-5)}{(4-3x)(3x-8)}\leq 0$	$x<\frac{4}{3} \vee \frac{5}{2}\leq x<\frac{8}{3} \vee x\geq 3$
65	$\frac{-2x(x-1)^2}{(x+3)^3(2-x)}\geq 0$	$-3<x\leq 0 \vee x=1 \vee x>2$
66	$\frac{x^2(2x+1)^5}{(x-3)^9(x^2+4)}\leq 0$	$-\frac{1}{2}\leq x<3$
67	$-\frac{x^2}{(1-x)^5}<0$	$x<0 \vee 0<x<1$
68	$\frac{(x-7)(x+1)}{x^2(x-5)^4}<0$	$-1<x<0 \vee 0<x<5 \vee 5<x<7$
69	$\frac{(4x+9)^4(2x-7)^6}{(x-20)^2}\geq 0$	$x\neq 20$
70	$\frac{x^3+x^2}{(1-x)(x+3)(2-x)}\leq 0$	$-3<x\leq -1 \vee x=0 \vee 1<x<2$
71	$\frac{3x-6}{x(x+1)}>0$	$-1<x<0 \vee x>2$

72	$\frac{(x+1)(x-3)}{1-2x} > 0$	$x < -1 \vee \frac{1}{2} < x < 3$
73	$\frac{(2-x)(3-x)}{x} < 0$	$x < 0 \vee 2 < x < 3$
74	$\frac{7}{x-7} - \frac{3}{x-3} \leq 0$	$x \leq 0 \vee 3 < x < 7$
75	$\frac{3x-1}{3-2x} + \frac{x+2}{2x-3} \geq 0$	$\emptyset$
76	$\frac{1}{x-1} \leq 3$	$x < 1 \vee x \geq \frac{4}{3}$
77	$\frac{x-2}{2x-3} \geq 2$	$\frac{4}{3} \leq x < \frac{3}{2}$
78	$\frac{x}{x-2} > 5$	$2 < x < \frac{5}{2}$
79	$\frac{3x}{x-6} \geq 8$	$6 < x \leq \frac{48}{5}$
80	$\frac{x+4}{x-3} < 2$	$x < 3 \quad \vee \quad x > 10$
81	$\frac{x+3}{x-2} < 1$	$x < 2$
82	$\frac{2x-1}{x-3} > 2$	$x > 3$
83	$\frac{5x+12}{7x-1} < 1$	$x < \frac{1}{7} \quad \vee \quad x > \frac{13}{2}$
84	$\frac{2-3x}{x+2} < \frac{2}{3}$	$x < -2 \quad \vee \quad x > \frac{2}{11}$
85	$\frac{x-2}{2x-1} > 2$	$0 < x < \frac{1}{2}$

86	$\frac{2x+5}{3x-1} > 4$	$\frac{1}{3} < x < \frac{9}{10}$
87	$\frac{7x-5}{8x+3} > 4$	$-\frac{17}{25} < x < -\frac{3}{8}$
88	$\frac{2x}{1+x} > -3$	$x < -1 \quad \vee \quad x > -\frac{3}{5}$
89	$\frac{16}{2x-5} > 3$	$\frac{5}{2} < x < \frac{31}{6}$
90	$\frac{2x-3}{x-5} > 2$	$x > 5$
91	$\frac{3x-2}{5-3x} \geq 1$	$\frac{7}{6} \leq x < \frac{5}{3}$
92	$\frac{2x+1}{3x-4} < 2$	$x < \frac{4}{3} \quad \vee \quad x > \frac{9}{4}$
93	$5 < \frac{1+2x}{2x-1}$	$\frac{1}{2} < x < \frac{3}{4}$
94	$\frac{x-1}{x+1} - 1 < \frac{1-3x}{1+x}$	$-1 < x < 1$
95	$\frac{15}{7} \leq -\frac{1}{x+6}$	$-\frac{97}{15} \leq x < -6$
96	$\frac{2}{6x-7} - \frac{1}{4} \geq 1$	$\frac{7}{6} < x \leq \frac{43}{30}$
97	$8 \geq \frac{11}{x} - \frac{1}{4}$	$x < 0 \quad \vee \quad x \geq \frac{4}{3}$
98	$\frac{3(4+5x)}{x} \geq -\frac{5}{4}$	$x \leq -\frac{48}{65} \quad \vee \quad x > 0$
99	$-3 + \frac{1-x}{9} \geq \frac{x}{3}$	$x \leq -\frac{13}{2}$

100	$-3 > \frac{3}{x-6} + \frac{1}{5}$	$\frac{81}{16} < x < 6$
101	$\frac{2}{3x-3} < \frac{4}{3-x}$	$x < 1 \quad \vee \quad \frac{9}{7} < x < 3$
102	$\frac{x-2}{3x-5} > \frac{6}{19}$	$x < \frac{5}{3} \quad \vee \quad x > 8$
103	$\frac{13}{x+4} \leq \frac{15}{2x-3}$	$x < -4 \quad \vee \quad \frac{3}{2} < x \leq 9$
104	$\frac{4}{7x-3} < \frac{3}{3-2x}$	$x < \frac{3}{7} \quad \vee \quad \frac{21}{29} < x < \frac{3}{2}$
105	$\frac{6}{2x-1} > \frac{5}{x-2}$	$x < -\frac{7}{4} \quad \vee \quad \frac{1}{2} < x < 2$
106	$\frac{3}{4-x} < \frac{6}{4x-3}$	$\frac{3}{4} < x < \frac{11}{6} \quad \vee \quad x > 4$
107	$\frac{6}{2x+1} < \frac{5}{2-3x}$	$x < -\frac{1}{2} \quad \vee \quad \frac{1}{4} < x < \frac{2}{3}$
108	$\frac{7}{3x-1} < \frac{12}{5x+6}$	$-\frac{6}{5} < x < \frac{1}{3} \quad \vee \quad x > 54$
109	$\frac{8}{2x+5} \geq \frac{7}{3x-2}$	$-\frac{5}{2} < x < \frac{2}{3} \quad \vee \quad x \geq \frac{51}{10}$
110	$\frac{x-4}{3} - \frac{3}{x-4} \geq \frac{1}{3}x$	$\frac{7}{4} \leq x < 4$
111	$\frac{1}{2x-1} > -\frac{1}{3}$	$x < -1 \quad \vee \quad x > \frac{1}{2}$
112	$\frac{3}{8} < -\frac{5}{2x-4}$	$-\frac{14}{3} < x < 2$
113	$\frac{2}{4x+1} > -\frac{3}{2}$	$x < -\frac{7}{12} \quad \vee \quad x > -\frac{1}{4}$

114	$-\frac{5}{3} > \frac{4}{\frac{3}{2} - x}$	$\frac{3}{2} < x < \frac{39}{10}$
115	$\frac{\frac{3}{4}}{x - 5} \geq \frac{1}{3}$	$5 < x \leq \frac{29}{4}$
116	$\frac{5x - 1}{x + 4} - 3 < \frac{1 - 2x}{4 + x}$	$-4 < x < \frac{7}{2}$
117	$\frac{x}{4(1 + x)} - \frac{1}{4} > \frac{3}{x}$	$x < -1 \vee -\frac{12}{13} < x < 0$
118	$\frac{x}{x - 2} + \frac{2 + 3x}{x + 1} > 4$	$-4 < x < -1 \vee x > 2$
119	$\frac{1 - x}{x + 2} \leq \frac{2}{x - 1}$	$x < -2 \vee x > 1$
120	$\frac{x - 2}{3x - 5} \geq \frac{6}{17}$	$-4 \leq x < \frac{5}{3}$
121	$\frac{1}{x} > \frac{1}{4 - x}$	$0 < x < 2 \vee x > 4$
122	$\frac{x - 2}{x - 3} > \frac{x - 5}{x + 2}$	$-2 < x < \frac{19}{8} \vee x > 3$
123	$\frac{x^2 - 1}{x + 3} > \frac{3}{x + 3}$	$-3 < x < -2 \vee x > 2$
124	$\frac{x + 3}{x + 5} - 1 > \frac{2x - 1}{x + 5}$	$-5 < x < -\frac{1}{2}$
125	$\frac{x^2 + 3}{3 - x} > \frac{4}{3 - x}$	$x < -1 \vee 1 < x < 3$
126	$\frac{2x + 3}{4 - x^2} - 1 > \frac{1 - x}{2 + x}$	$x < -2 \vee \frac{3}{5} < x < 2$
127	$\frac{x - 1}{x + 3} < \frac{2}{x - 2} + 1$	$-3 < x < \frac{1}{3} \vee x > 2$

128	$\frac{1-2x}{x-3}-2<\frac{5-4x}{x-1}$	$1<x<\frac{4}{3}\vee x>3$
129	$\frac{x}{x-2}+\frac{2+3x}{x+1}>4$	$-4<x<-1\vee x>2$
130	$\frac{x-2}{x+5}>\frac{3}{x-2}+1$	$x<-5\vee-\frac{1}{10}<x<2$
131	$\frac{x-1}{x-2}\geq\frac{3}{4-2x}$	$x\leq-\frac{1}{2}\vee x>2$
132	$\frac{3}{2}\frac{2x-1}{6-x}\geq\frac{3}{2(x-6)}$	$0\leq x<6$
133	$\frac{x-2}{x+5}>\frac{3}{x-2}+1$	$x<-5\vee-\frac{1}{10}<x<2$
134	$1+\frac{x+1}{x}\leq\frac{6}{x+1}$	$-1<x<0\vee\frac{1}{2}\leq x\leq1$
135	$\frac{x-1}{x}+\frac{x+1}{x-1}<3-\frac{2}{x(x-1)}$	$x<-1\vee0<x<1\vee x>3$
136	$\frac{2x}{x+2}<2\left(1-\frac{x+2}{4x}\right)$	$-2<x<0$
137	$\frac{1-4x+3x^2}{(x-2)(x-3)}<3$	$x<\frac{17}{11}\vee2<x<3$
138	$\frac{6x+6}{(3-x)(3+x)}+\frac{2}{x+3}>\frac{3}{3-x}$	$x<3\wedge x\neq-3$
139	$\frac{(x-1)^3+2}{(x+1)^3}>1$	$x<-1$
140	$\frac{2x-3}{x^2-25}>\frac{1}{x-5}+\frac{1}{x+5}$	$-5<x<5$
141	$\frac{1-4x+3x^2}{(x+2)(x-3)}<3$	$-2<x<3\ \vee\ x>19$