

1.  $5x + 11 - (6 + 2x) = (3 - x) - 7$
2.  $\frac{2x+1}{3} + 3 = 4x$
3.  $8 - \frac{x}{9} = \frac{x}{11}$
4.  $\frac{x+3}{x+4} = 3$
5.  $\frac{2x-1}{2-3x} = -\frac{4x+7}{6x+11}$
6.  $x(x-1) - (3+x)x = 4$
7.  $(x-4)^2 + (x+9)^2 = 2x^2$
8.  $(x+10)^2 = (5-x)^2$
9.  $-(x+9)(7x-5) = 0$
10.  $(-5x+3)^2(-x+6) = 0$
11.  $(x-1)^2 + (x+32)^2 + (x-6)^2 = -11$
12.  $(x-3)^2 + (x+21)^2 = 0$
13.  $(0.5x+2)^2 + (2x+8)^2 = 0$
14.  $-9(x+7)^2 - (-2x-14)^2 = 0$
15.  $(x-2)^2 + ((x-2)(x+5))^2 = 0$
16.  $\frac{5}{x-4} = \frac{2}{1-x}$
17.  $\frac{6}{x-3} = \frac{9}{4.5x-13.5}$
18.  $\frac{1.5}{3x-2} = \frac{4}{8x} - \frac{16}{3}$
19.  $\frac{(2-x)^2}{x-2} = 8$
20.  $\frac{(x-5)^2}{5-x} = 5$
21.  $(5x+1)^2 - \frac{2}{x} - \frac{5x-2}{x} - 25x^2 = 0$