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Solve the following quadratic equations

1) $10x^2 + 20x - 71 = 9$	2) $x^2 - 20x + 49 = -2$
3) $3x^2 - 18x - 42 = 6$	4) $n^2 + (n + 1)^2 = 13$

5) $(3b - 1)(2b - 1) = 15$

6) $\frac{1}{x-3} - \frac{1}{x+5} = \frac{1}{6}$

7) $2(n - 1)(2n - 1) + (3n - 1)(n + 1) = 21$

Answers

1) x= 2, -4
2) x= 17, 3
3) x= 8, -2
4) n= 2, -3
5) b= 2, -7/6
6) x= 7, -9
7) n= 2, -10/7