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

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