



Solve the following quadratic equations

1) $10x^2 + 20x - 71 = 9$

2) $x^2 - 20x + 49 = -2$

3) $3x^2 - 18x - 42 = 6$

4) $n^2 + (n + 1)^2 = 13$



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

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

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