

Must show all steps and all work to earn full credit.

Solve the equation.

1) $(3y + 11)(2y + 21) = 0$

Find all solutions by factoring.

2) $x^2 + 9x - 22 = 0$

Solve the equation.

3) $2k^2 - 5k - 3 = 0$

Find all solutions by factoring.

4) $(x + 6)(x - 1) = -10$

Solve the problem.

- 5) A parallelogram has a base of length $2x + 1$ and a height of $x + 3$ and has an area of 42 square units. Find the base and height of the parallelogram. ($A = BH$)