Solving Quadratic Equations Worksheet:

1) Solve each equation by completely factoring the polynomial and applying the Zero Factor Property.
No Decimal Answers.

$$81x^2 - 64 = 0$$

2) The height of a rectangular door is $(x+5)$ feet and its area is $2x^2 + 13x + 15$ square feet. What is the length of the door?

a) Write an algebraic equation to find the length.
b) Solve the equation.
c) Write a well-structured sentence with the units correctly stated.

3) Solve each equation by completely factoring the polynomial and applying the Zero Factor Property.
No Decimal Answers.

$$2x^2 - 9x = 0$$

4) Solve each equation by completely factoring the polynomial and applying the Zero Factor Property.
No Decimal Answers.

$$x^2 - 8x + 12 = 0$$

5) Solve each equation by completely factoring the polynomial and applying the Zero Factor Property.
No Decimal Answers.

$$3x^2 - 10x - 8 = 0$$