1. What is the solution set to the equation $6x^2 + 5x = 4$?
   A. $\left\{ \frac{1}{2}, \frac{4}{3} \right\}$
   B. $\left\{ -\frac{4}{3}, \frac{1}{2} \right\}$
   C. $\left\{ \frac{1}{2}, \frac{4}{3} \right\}$
   D. $\left\{ -\frac{4}{3}, -\frac{1}{2} \right\}$

2. What are the solutions to the equation $0 = x^2 - 6x$?
   Solutions: ___________________________

3. Select all correct solutions to the equation $x^2 - 9x = 36$.

   \[
   \begin{array}{ccc}
   x = 12 & x = -12 & x = 36 \\
   x = -36 & x = 3 & x = -3
   \end{array}
   \]

4. What is the solution set to the equation $2x^2 - 6x = 8$?
   Solution Set: ____________________________

5. What are the solutions in simplest radical form to the equation $2x^2 + 6x - 1 = 0$?
   A. $-3 \pm \sqrt{7}$
   B. $-3 \pm 2\sqrt{7}$
   C. $\frac{-3 \pm 2\sqrt{11}}{2}$
   D. $\frac{-3 \pm \sqrt{11}}{2}$

   Solution: ____________________________
6. What are two algebraic methods that can be used to determine the solution set to the equation
   \[ x^2 + 12x - 28 = 0 \]?
   1. ______________________________
   2. ______________________________

7. A large flag has the following measurements. Length: \( x + 12 \); width: \( x + 6 \). The area of the flag is 160 square feet. What are the actual dimensions of the length and width of this flag?
   Dimensions: ______________________________