Al-Khwarizmi
Application

1. Al-Khwarizmi used geometric figures to illustrate his solution of an equation. Solve the following equations using geometric representation. Explain your thinking.
   a. Solve $3/4x=6$

   b. Solve $x^2=4x$

   c. Solve $x^2=4/9$

   d. Solve $x^2 +3x=10$

2. Solve the following equations using manipulatives.
   a. $x^2+x-12=0$

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

   c. $4x^2+5x-6=0$

   d. $-2x^2-2x+4=0$