

1. Solve the following equations by factoring

(a).  $x^2 - x - 2 = 0$

(b).  $x^2 - 5x = -6$

2. Solve the following equations by using the quadratic formula

(a).  $2x^2 - 5x - 2 = 0$

(b).  $3x^2 + 5x - 12 = 0$

3. Solve the following equations (Use the method of your choice)

(a).  $3x^2 - 24x + 36 = 0$

(b).  $7x^2 = -49x$

(c).  $3x(2x - 1) = 30$

(d).  $4x^2 - 4x = -1$

(e).  $x^2 - 3x - 5 = 0$

(f).  $x^2 - x + 7 = 0$

(g).  $x^4 - 5x^2 + 4 = 0$

(h).  $-x^2 - 2x + 2 = 0$