Find the value of c that makes each trinomial a perfect square.

1. x2 – 18x + c
2. x2 + 9x + c

Solve each equation by completing the square. Round to the nearest tenth.

1. x2 + 4x = 6
2. x2 – 8x = -9
3. -2x2 + 10x + 22 = 4
4. The height, h, in feet of an object above the ground is given by h = -16t2 + 64t + 190 where t is the time in seconds. Find the time it takes the object to strike the ground.