

Solve each equation by completing the square. Please draw a circle or a box around your solutions.

1) $n^2 + 18n + 72 = 0$

2) $r^2 - 16r + 60 = 0$

3) $x^2 + 6x - 72 = 0$

4) $x^2 + 4x - 96 = 0$

5) $7k^2 + 14k - 21 = 0$

6) $5a^2 - 20a + 15 = 0$

7) $6b^2 + 12b - 48 = 0$

Find the value of c that makes each expression a perfect square trinomial. Then, write the expression as a perfect square binomial. Please draw a circle or a box around your c value as well as your squared binomial.

8) $x^2 + 24x + c$

9) $x^2 + 18x + c$

10) $x^2 + 3x + c$