

## Übungen zu Nullstellen von quadratischen Funktionen mit p-q-Formel

1.  $x^2 - 6x + 8 = 0$

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

3.  $x^2 - 8x + 16 = 0$

4.  $x^2 - 2x = 24$

5.  $x^2 - 10x + 30 = 0$

6.  $x^2 - 45x + 324 = 0$

7.  $x^2 + 4x = -3$

8.  $x^3 - \frac{3}{20}x^2 - \frac{1}{10}x = 0$

9.  $4x^2 + 16x - 84 = 0$

10.  $-x^2 + 9x - 14 = 0$

11.  $4x^2 - 16x - 48 = 0$

12.  $-3x^2 - 12x + 96 = 0$

13.  $7x^2 + 21x = -14$

14.  $2x^2 - \frac{11}{6}x + \frac{1}{3} = 0$

$$x^2 + px + q = 0 \Leftrightarrow x_{1,2} = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q}$$