

Name: \_\_\_\_\_

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**„Päckchen“ quadratische Gleichungen**

Nr.	a)	b)
1	$x^2 - 4x + 5 = 0$	$x^2 - 8x + 12 = 0$
2	$x^2 - 2x - 3 = 0$	$x^2 - 2x - 8 = 0$
3	$x^2 + 4x + 5 = 0$	$x^2 + 8x + 12 = 0$
4	$x^2 + 4x - 12 = 0$	$x^2 + 6x - 7 = 0$
5	$x^2 - 6x + 8 = 0$	$y^2 - 8y + 15 = 0$
6	$y^2 + 10y + 16 = 0$	$y^2 + 18y + 56 = 0$
7	$z^2 - 14z - 51 = 0$	$z^2 + 12z - 108 = 0$
8	$w^2 - 7w + 12 = 0$	$w^2 + 7w + 12 = 0$
9	$x^2 + x - 12 = 0$	$x^2 - x - 12 = 0$
10	$x^2 - 25x + 156 = 0$	$x^2 + 25x + 156 = 0$
11	$y^2 - 11y + 10 = 0$	$y^2 - 9y - 22 = 0$
12	$x^2 + x = 2$	$x^2 + x = 30$
13	$x^2 - 15x = 100$	$x^2 - 5x = 6$
14	$y^2 - 18y = -81$	$x^2 + 1,2x + 0,36 = 0$
15	$x^2 - 5x + 6\frac{1}{4} = 0$	$x^2 + \frac{1}{5}x + \frac{1}{100} = 0$
16	$x^2 - \frac{4}{5}x + \frac{3}{25} = 0$	$x^2 - \frac{6}{7}x - \frac{1}{7} = 0$
17	$y^2 - \frac{3}{4}y + \frac{1}{8} = 0$	$y^2 + \frac{3}{10}y + \frac{1}{50} = 0$
18	$x^2 + \frac{5}{6}x + \frac{1}{6} = 0$	$x^2 - \frac{3}{5}x + \frac{1}{20} = 0$
19	$y^2 - 1\frac{1}{12}y + \frac{1}{2} = 0$	$y^2 + 1,1y + 0,3 = 0$
20	$z^2 + 4,2z - 4 = 0$	$z^2 + 2\frac{2}{3}z - 1 = 0$
21	$w^2 - 0,8w + 0,12 = 0$	$w^2 + 0,6w = -0,05$
22	$w^2 + 0,7w + 0,1 = 0$	$w^2 - 0,3w - 0,28 = 0$
23	$x^2 - 6,2x + 0,45 = 0$	$x^2 - 5,2x = 15,33$
24	$y^2 + 2,4y = 1,8$	$y^2 - 1,8y = 0,4$
25	$2x^2 + 3x - 35 = 0$	$3x^2 - 4x = 39$
26	$6x^2 + 7x = 3$	$9x^2 + 9x = 4$
27	$4x^2 + 15x = 4$	$3x^2 - 10x + 3 = 0$
28	$\frac{3}{4}y^2 - 5y + 8 = 0$	$\frac{2}{3}y^2 - 1,6y = 1,2$
29	$x^2 - 2x - 2 = 0$	$x^2 - 6x + 7 = 0$
30	$x^2 - 4x = 1$	$x^2 + x = 1$
31	$x^2 - 6x - 41 = 0$	$x^2 + 10 + 13 = 0$

Lösen Sie nach und nach solche Aufgaben als Training. Kontrollieren Sie mit Ihren Kommilitonen, oder benutzen Sie den Gleichungslöser aus dem GeoGebra-Book.