

Factorised Quadratic Equation - Solve the following equations

No.1  $(g+29)(g+19) = 0$

No.15  $(5f+20)(8f-16) = 0$

No.2  $(f+5)(f+3) = 0$

No.16  $(8e+24)(9e-63) = 0$

No.3  $(a+22)(a+16) = 0$

No.17  $(9d+72)(7d-63) = 0$

No.4  $(c+25)(c+19) = 0$

No.18  $(3c+6)(7c-63) = 0$

No.5  $(b+9)(b+28) = 0$

No.19  $(2a+16)(9a-63) = 0$

No.6  $(e+20)(e+26) = 0$

No.20  $(7b+21)(6b-42) = 0$

No.7  $(e+24)(e-2) = 0$

No.21  $(6g+12)(8g-40) = 0$

No.8  $(a+21)(a-26) = 0$

No.22  $(3c-24)(8c-32) = 0$

No.9  $(d+31)(d-25) = 0$

No.23  $(8e-48)(2e-14) = 0$

No.10  $(b+13)(b-18) = 0$

No.24  $(9f-45)(2f-16) = 0$

No.11  $(b-3)(b-25) = 0$

No.25  $(4g-32)(5g-35) = 0$

No.12  $(a-24)(a-21) = 0$

No.26  $(2a-14)(9a-27) = 0$

No.13  $(e-30)(e-7) = 0$

No.27  $(5d-15)(8d-40) = 0$

No.14  $(f-15)(f-6) = 0$

No.28  $(6b-54)(8b-40) = 0$

Time taken: \_\_\_\_\_ Min. \_\_\_\_\_ Sec.      Score: \_\_\_\_\_      Date: \_\_\_\_\_

(fold here)

**Answer:**

No.1	$g = -29, -19$	No.15	$f = -4, 2$
No.2	$f = -5, -3$	No.16	$e = -3, 7$
No.3	$a = -22, -16$	No.17	$d = -8, 9$
No.4	$c = -25, -19$	No.18	$c = -2, 9$
No.5	$b = -9, -28$	No.19	$a = -8, 7$
No.6	$e = -20, -26$	No.20	$b = -3, 7$
No.7	$e = -24, 2$	No.21	$g = -2, 5$
No.8	$a = -21, 26$	No.22	$c = 8, 4$
No.9	$d = -31, 25$	No.23	$e = 6, 7$
No.10	$b = -13, 18$	No.24	$f = 5, 8$
No.11	$b = 3, 25$	No.25	$g = 8, 7$
No.12	$a = 24, 21$	No.26	$a = 7, 3$
No.13	$e = 30, 7$	No.27	$d = 3, 5$
No.14	$f = 15, 6$	No.28	$b = 9, 5$