

ANSWERS(id:quad_root_num_M.1)

1) $D = 0$, one real root

2) $D = 0$, one real root

3) $D = 0$, one real root

4) $D = 0$, one real root

5) $D = 0$, one real root

6) $D = 16$, two real roots

7) $D = 1$, two real roots

8) $D = 1$, two real roots

9) $D = 12$, two real roots

10) $D = 5$, two real roots

11) $D = -4$, no real root

12) $D = -8$, no real root

13) $D = -36$, no real root

14) $D = -32$, no real root

15) $D = -20$, no real root