

Answers

1. $ax^2 + bx + c = 0$, where a, b and c are real numbers and $a \neq 0$
2. (b)
3. Yes
4. $b^2 - 4ac > 0$
5. Yes. Example $x^2 + 4 = 0$
6. $\frac{\sqrt{2}}{\sqrt{5}}, \frac{\sqrt{2}}{\sqrt{5}}$
7. $x = -a, x = -b$
8. $x = a + b, x = \frac{a+b}{2}$
9. $\frac{1}{3}, 3$
10. $(2x-1)^2 = -1$, no real roots since square of a real no. is not negative
11. No. of books = 16
12. No. of birds = 576