

Task 2

- 1) What are two differences between a linear equation and a quadratic equation?
- 2) Do we solve linear and quadratic equations using the same methods?

Solve each equation.

3) $m^2 - 2 = 10$

4) $64m^2 = 1$

5) $16p^2 = 16$

6) $64k^2 = 36$

7) $2a^2 = 50$

8) $b^2 - 2 = 60$

9) $p^2 - 4 = 3p$

10) $a^2 - 3a = 10$

$$11) x^2 = -x$$

$$12) x^2 + 11x = -28$$

$$13) 10a^2 - 4 = 486$$

$$14) 5r^2 + 1 = 121$$

$$15) -6 - 10n^2 = -166$$

$$16) 2v^2 + 2 = 74$$

$$17) 2k^2 - 1 = 119$$

$$18) 10b^2 - 5 = 745$$

$$19) 21n^2 - 2n + 1 = 4$$

$$20) 15x^2 - 14x + 11 = 8$$

$$21) 14r^2 + 17r + 3 = -2$$

$$22) 5n^2 + 17n - 48 = -8$$