

Algebra 1.5

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Solve each equation by taking square roots.

1) $10b^2 - 1 = -377$

2) $3x^2 + 9 = 981$

3) $10p^2 - 13 = 1677$

4) $-18 - 16k^2 = -4242$

5) $15n^2 - 3 = 5997$

6) $3a^2 - 2 = 1$

7) $7x^2 + 14 = 2520$

8) $6n^2 + 12 = 714$

9) $225v^2 - 14 = 155$

10) $3r^2 - 13 = 419$

11) $3x^2 + 16 = 514$

12) $9b^2 + 5 = 3371$

13) $18x^2 + 10 = 1162$

14) $14k^2 - 15 = -270$

$$15) 17x^2 - 12 = 4153$$

$$16) 14n^2 + 13 = 699$$

$$17) 11 - 4n^2 = -781$$

$$18) -4 - 15n^2 = -326$$

$$19) 14x^2 + 15 = 239$$

$$20) 361k^2 + 1 = 325$$

$$21) 18m^2 - 1 = 665$$

$$22) 11r^2 - 19 = 256$$

$$23) 14v^2 + 1 = -396$$

$$24) 10n^2 + 17 = 867$$

$$25) -11 - 16x^2 = -2651$$

$$26) 400a^2 + 4 = 53$$

$$27) 18p^2 + 13 = 7015$$

$$28) 2x^2 + 16 = 88$$

$$29) 49x^2 + 10 = 334$$

$$30) 7m^2 - 16 = 1034$$