

1. Solve: $3x^2 = 2x$

2. Solve: $x^2 + 7 = 10x - 18$

3. Solve: $x(x - 4) = 21$

4. A pool measuring 3 meters by 5 meters is surrounded by a path of uniform width. If the area of the pool and the path combined is 143 square meters, what is the width of the path?

5. A piece of wire measuring 20 feet is attached to a telephone pole as a guy wire. The distance along the ground from the bottom of the pole to the end of the wire is 4 feet greater than the height where the wire is attached to the pole. How far up the pole does the guy wire reach?

Q: What has many keys but can't open any doors?