Solutions to the quadratic equation

1. Use the correct formula to approximate the roots of the quadratic polynomial

$$0.003x^2 + 1053532.33x + 0.00153$$

Answer: To ten decimal places, –0.000000001452257284, –351177443.3

2. Use the correct formula to approximate the roots of the quadratic polynomial

$$0.003x^2 - 1053532.33x + 0.00153$$

Answer: To ten decimal places, 351177443.3, 0.000000001452257284

3. Use the correct formula to approximate the roots of the quadratic polynomial

$$0.03x^2 + 105353.33x + 0.0153$$

Answer: To ten decimal places, –0.0000001452255946727081, –35117776.67

4. Use the correct formula to approximate the roots of the quadratic polynomial

$$0.03x^2 - 105353.33x + 0.0153$$

Answer: To ten decimal places, 35117776.67, 0.0000001452255947

5. Use the correct formula to approximate the roots of the quadratic polynomial

$$0.3x^2 + 10535.33x + 0.153$$

Answer: To ten decimal places, –0.00001452256360, –3511776.667

6. Use the correct formula to approximate the roots of the quadratic polynomial

$$0.3x^2 - 10535.33x + 0.153$$

Answer: To ten decimal places, 3511776.667, 0.00001452256360