

**Quiz 165** .....

Solve using any method. Leave your answers as improper fractions or radicals in simplest form, if applicable.

1.  $2(x - 1)^2 - 18 = 0$

2.  $3x^2 - 9x + 6 = 0$

3.  $x^2 + 6x + 3 = 0$

4.  $4x^2 + 7x + 2 = 0$

5. A rectangle has an area of  $90 \text{ cm}^2$ . Its length is 3 cm longer than twice its width. Find the dimensions of the rectangle.