

NAME _____

QUADRATIC
REVIEW SHEET

1. $x^2 - 6x = 7$

3. $x^2 - 16 = 6x$

2. $x^2 + 8x = 20$

4. $x(x + 5) = 14$

7. The length of a rectangle is 5 more than its width. If its area is 414 square feet, find the dimensions of the rectangle.

8. When one pair of opposite sides of a square are increased by 3 and the other pair are decreased by 1, the area of the resulting rectangle is 77 square meters. Find the length of a side of the original square.

9. When the square of a positive number is decreased by 6 times the number, the result is 27. Find the number.

10. The base of a triangle measures 4 cm less than the altitude. If the area is 30 cm^2 , find the dimensions of the triangle.