

Test Chapter 10 Form C \_\_\_\_\_ *Free Response*

Solve by any desired method. If there is no real solution, say so.

\_\_\_\_\_ 1.  $2x^2 - 11x - 21 = 0$

\_\_\_\_\_ 2.  $3x^2 + 5x + 1 = 0$

\_\_\_\_\_ 3.  $5x^2 - 11x = 12$

\_\_\_\_\_ 4.  $6x^2 - 25x + 21 = 0$

\_\_\_\_\_ 5.  $3x^2 = 48$

\_\_\_\_\_ 6.  $5x^2 = -31x + 28$

\_\_\_\_\_ 7.  $3x^2 - 4x - 5 = 0$

\_\_\_\_\_ 8.  $4x(x + 4) = x + 4$

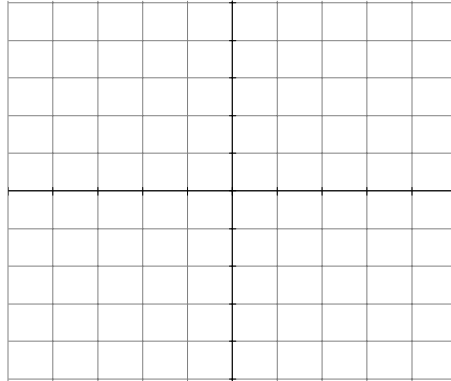
\_\_\_\_\_ 9.  $x^2 - x + 7 = 0$

\_\_\_\_\_ 10.  $x^2 - \frac{1}{4}x = \frac{1}{8}$

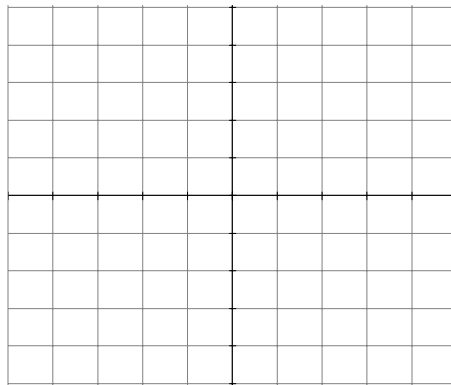
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Graph.

\_\_\_\_\_ 11.  $y = x^2 - 6x$



\_\_\_\_\_ 12.  $y = 2x^2 + 8x + 4$



\_\_\_\_\_ 13. The area of a rectangle is 60. The length is 2 less than twice the width. Find the length and the width.