







Algebra I - Unit 8: Topic 1 - Factoring Day 2

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Practice - Factoring Day 2			pp 540-571
Name	Date	Period	

1. An arch frames the entrance into a garden. The shape of the arch is modeled by $12x - 3x^2$. Factor this polynomial completely.

Factor each of the following polynomials completely:

2.
$$36a^3 - 4a =$$

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 3. $n^2 - 11n + 24 =$

4.
$$4r^3 + 8r^2 - 12r =$$

5.
$$-2a^2 + 8a + 42 =$$

6.
$$20 - 245x^2 =$$

7.
$$3x^2 + 9x - 30 =$$

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9.
$$2a^2 - 7a + 3 =$$

10.
$$x^2 - 3x + 8 =$$

10.
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 11. $6x^2 + 20x - 16 =$

- 12. The area of a rectangle is represented by the trinomial $x^2 + 9x + 14$.
 - A. Factor this trinomial to find the dimensions.
 - B. If x = 5cm, find the actual dimensions of the rectangle.

