

Special Products Quiz

- *Solve on a separate sheet of paper.
- *Put your name on your paper. :-)
- *You may use a calculator.
- *You have 10 minutes.

Factor each polynomial. Check your solution.

1) $81x^2 - 25$ 2) $y^2 - 12y + 36$

3) Solve the equation by factoring. Check your solutions.

$2x^3 - 10x^2 - 8x = -40$

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Notes Summary & Foldable Review

You may use your notes and foldable to complete this. NO TALKING!!!

Factor and solve the polynomial equation. Check your solutions. Write down the steps in words using math vocab.

$y^3 = 81y$

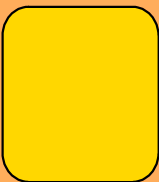
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Review problems:

Solve each equation by factoring. Check your solution(s) for #1 only by substitution.

1) $v^2 = -12 + 7v$ 2) $-7 - 42m = 4m - 21m^2$

3) $5n^2 - 13n - 4 = 2$

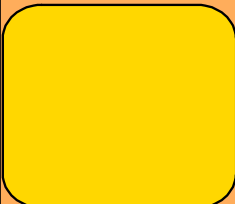


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Find each product & check.

4) $(7n - 2)^2$ 5) $(3x + 4)(3x + 1)$

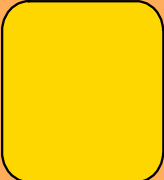
6) $(3a - 3)(5a^2 + 7a + 5)$



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Simplify the expression.

7) $(4 + 5m^4 + 3m^3) - (6m^3 - 1 + 3m^4)$



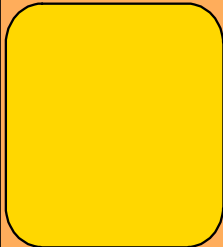
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Factor each completely.

8) $n - 18n^2 + 3n^3 - 6$ 9) $16n^2 - 9$

10) $16m^2 - 40m + 25$ 11) $32b^2 - 2$

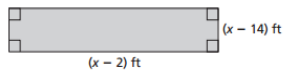
Am I also solving? Why or why not?



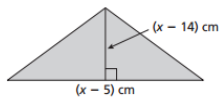
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In Exercises 15 and 16, find the dimensions of the polygon with the given area.

15. Area = 45 ft^2



16. Area = 35 cm^2



*Be sure to check your answer.



Feb 3-8:51 AM