Algebra II

Factoring GCF and Difference of Squares

Oct 18-11:32 AM

Bell Ringer

Find the square root of...

1. 25 2. 64 3. 121

5 8 11

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Factor each completely.

1. $\sqrt{x^2}\cdot\sqrt{4}$ $(x+2)(x-2)$

2. $\sqrt{9a^2}\cdot\sqrt{25}$ $(3a+5)(3a-5)$

3. $16m^2 - 1$ $(4m-1)(4m+1)$

4. $p^2 + 64$ not Possible

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Now let us put GCF and difference of two squares together.

1. $2x^2 - 32$ $2(x^2-16)$ $2(x+4)(x-4)$

2. $75m^2 - 12$ $3(25m^2-4)$ $3(5m+2)(5m-2)$

3. $18n^2 - 2$ $2(9n^2-1)$ $2(3n+1)(3n-1)$

4. $200p^2 - 242$ $2(100p^2-121)$ $2(10p+11)(10p-11)$

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Conclusion

1. What is a square root?
2. What is true about the sign of the second number to take the difference of two squares?
3. Person on the right...make up a problem and person on the left solve it. Person on right check it. Now reverse.

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Assignment

Factoring GCF and Difference of Squares Wkst

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