10.5 Solve Quadratics with Factoring NOTES

Write your questions here!

Ex 1:

Tip: Make sure the squared term is positive.

Ex 2:

Remember to use the zero product property

Find the zeroes of the function or polynomial.

Ex 3:

Ex 4:

Your turn!

1) Solve:

2) Find the zeroes:

SUMMARY:

Now, mmarize ur notes here!

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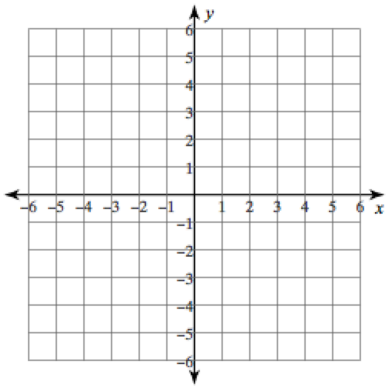
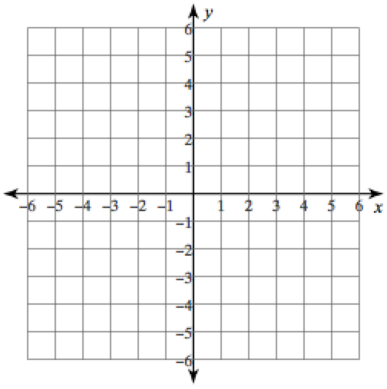
PRACTICE

Directions: Solve the equation.	
1) $8t^2 - 2t = 3$	2) $n^2 - 64 = 0$
3) $2x^2 - 3x - 35 = 0$	4) $a^2 = 50 - 5a$
5) $s(s + 1) = 72$	6) $p(3p + 14) = 5$

Directions: Find the zeroes of the polynomial function.	
7) $f(x) = x^2 - 12x + 35$	8) $g(x) = 3x^2 + x - 14$
9) $f(x) = 6x^2 - 11x + 3$	10) $h(x) = x^2 + 10x - 39$
11) $g(x) = x^2 - 14x - 51$	12) $j(x) = 9x^2 - 4$

SKILLZ REVIEW		
Graph.	List all pairs of numbers that multiply to the given number.	Which number pair contains the largest perfect square?
1) x – y = -1	2) 64	3) Use 64



4) 6x – 5y =25 	5) 98	6) Use 98

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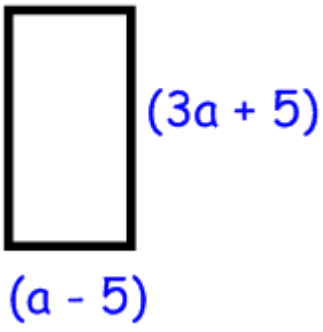
APPLICATION

1) Find the zeroes: $f(x) = b^2 + 9b + 18$

2) Solve the equation: $2m^2 - 3 = 5m$

Find the dimensions of the rectangle that has the given area.

3) Area = 23 square inches



4) Area = 9 square inches