

Notes: Factoring Trinomials – Difference of two Squares

QUESTIONS	NOTES:
	<ul style="list-style-type: none">- Difference means that every polynomial will have a minus sign- Square means each term will be able to be broken down by taking the square root <p><u>STEPS to Factoring:</u></p> <ol style="list-style-type: none">1. Take the square root of each term2. Write as a binomial:<ul style="list-style-type: none">• Factored form: $(\square + \square)(\square - \square)$ <p><u>Examples:</u></p> <p>$9x^2 - 25$</p> <p>FACTORS: _____</p> <p>$100x^4 - 9x^2$</p> <p>FACTORS: _____</p> <p>$25y^4 - 144x^2$</p> <p>FACTORS: _____</p> <p>$64x^2 - 36$</p> <p>FACTORS: _____</p>

Sometimes you have to factor a GCF first:

$$108c^2 - 3$$

FACTORS: _____

$$50n^2 - 8$$

FACTORS: _____

$$405z^2 - 245$$

FACTORS: _____

