

Grade 10 FMP Unit 3 Skill #3

A: Factoring Review

$36x + 24$	$12x + 8$
$-27x - 54$	$-45x - 35$
$18x + 9$	$-16x - 12$
$-12x + 12$	$-25x + 45$

B: Factoring with one exponent

$20x^5 + 4x =$	$10x^4 - 2x =$
$5x^5 + 15x^2 =$	$70x^5 + 10x^2 =$
$9x^5 + 9x^2 =$	$-5x^2 + 15x =$
$72x^5 + 9x^4 =$	$10x^4 + 50x =$
$30x^5 + 3x^3 =$	$9x^4 - 90x^3 =$

C: Factoring with two exponents

$-6a^3b^4 - 54a^3b^2 =$	$10a^2b + 80b^4 =$
$-3a^3b - 21ab =$	$3a^5b^2 + 12ab^4 =$
$6a^5b^5 + 54a^3 =$	$-8a^4b^4 - 48ab^3 =$
$-70a^5b^5 - 10a^4b^3 =$	$-8a^5b^2 + 48a^5b =$
$4a^5b^5 - 32ab^3 =$	$24a^4b^4 + 6a^3b^5 =$

D: Factoring with three exponents

$$-7x^5y^3z^2 + 70x^3y^2z =$$

$$28x^3y^3z^2 - 7xy^3z^3 =$$

$$16x^5y^4z^4 - 4x^4y^5z^4 =$$

$$10x^3y^3z + 90x^3yz^5 =$$

$$x^2yz^5 - 10xy^5z =$$

9 point star: join every fourth point until you return to the starting point (use a ruler)

9 Point Circle

