Dots: Pre-Calculus

Key Concept 2 Chapter Review (p.270-271)

Player #1:_____

Player #2:_____

Each player takes turns connecting two dots with a line. When a player fills a square, they mark their initials in that square and make another line. After all squares are claimed, both players complete their problems. Each correct problem is worth 1 point. The player who earns the most points is the winner!

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$y = \frac{1}{2}(x-3)^2 - 2$

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VA: $x=-1$
$x=1$

HA: $y=1$

Intercept: $(0,-1)$

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D

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yes

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Leave answer in factored form!

$f(x) = (x+2)^2(x-4)^2$

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Zeros: $-\frac{3}{2}, 3 \pm i$

$f(x) = (2x+3)(x-3+i)(x-3-i)$

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$7+4i$

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$\pm 1, \pm 2, \pm 3, \pm 6, \pm \frac{1}{2}, \pm \frac{3}{2}$

Zeros: $-\frac{3}{2}, 2$

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$x = -5$

Final Score: Player #1:_____ Player #2:_____