Player #1: _____Key_____

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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Page 246 #11

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

OR

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

Page 247 #69

V.A. @ $x = -1, 1$

H.A. @ $y = 1$

y-intercept: -1 or $(0,-1)$

Page 247 #46

D

● ● ● ●

Page 246 #31

yes

Page 247 #65

Leave answer in factored form!

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

Page 247 #53

Zeroes: $-\frac{3}{2}, 3+i, 3-i$

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

OR

$$f(x) = (x+\frac{3}{2})(x-3+i)(x-3-i)$$

↳ acceptable here

● ● ● ●

Page 247 #40

25

Page 246 #37

$$\frac{p}{q} = \{\pm1, \pm2, \pm3, \pm6, \pm\frac{1}{2}, \pm\frac{3}{2}\}$$

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

Page 247 #76

$$X = -5$$

● ● ● ●

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