

October 7, 2015
 Quiz #7
 #1) not a function
 $(3, 4) \neq (3, -5)$

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#2) $f(x) = -3x^2 + 2x - 5$
 $f(-5) = -3(-5)^2 + 2(-5) - 5$
 $= -3(25) - 10 - 5$
 $= -75 - 10 - 5$
 $= -90$

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#3) $-7a^3b^5c^1$
 $D: 3+5+1=9$

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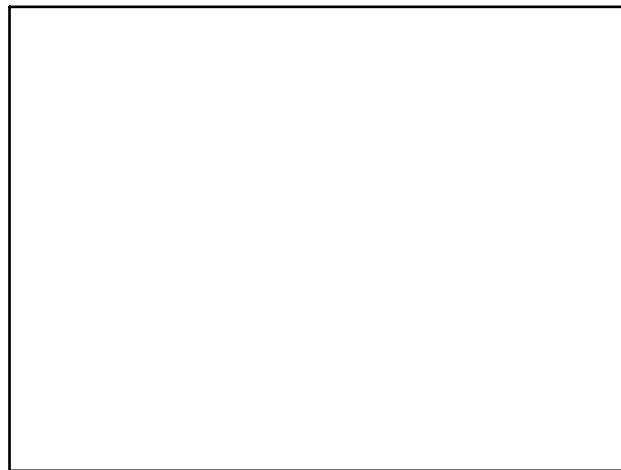
#5) $3x^{15} + 4 + 8x^3 - 8x^{19}$
 $D: 19$

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#6) $g(x) = \frac{3}{2x} + \frac{4}{x}$
 $g(-4) = \frac{3}{2(-4)} + \frac{4}{(-4)}$
 $= \frac{3}{-8} + \frac{4}{-4}$
 $= -\frac{3}{8} + (-1)$
 $= -\frac{3}{8} - \frac{8}{8}$
 $= -\frac{11}{8}$
 $= -\frac{11}{8} \cdot \frac{2}{2} = -\frac{11 \cdot 2}{8 \cdot 2} = -\frac{22}{16} = -\frac{11}{8}$

FACT
 $\frac{a}{x} = \frac{-a}{-x} = \frac{a}{x}$
 $-\frac{8}{20}$ Reduce

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