Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

D7 – Alg 3-4 HW

9 – 38.) Where does the graph y = (x+3)2 – 5 cross the x – axis?

9 – 39.) If you were to graph the function f(x) = (x – 74)2(x + 29), where would the graph intersect the x – axis?

9 – 40.) For each pair of intercepts given below, write an equation for a quadratic function in standard form.

1. (-3, 0) and (2, 0) b. (-3, 0) and (0.5, 0)

9 -41.) What is the degree of each polynomial function below?

1. P(x) = 0.08x2 + 28x c. f(x) = 5(x + 3)(x – 2)(x + 7)
2. Y = 8x2 – (1/7)x5 + 9 d. y = (x – 3)2(x + 1)(x3 + 1)

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