Absolute Value Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

QUIZ

Graph each “family” of equations on a graph (use graphing paper). Use different colors to differentiate between the equations.

1. f(x) = | x | 2. f(x) = | x + 2 |

f (x) = | x | + 1 f(x) = | x - 2 |

f(x) = | x | - 4 f(x) = | x + 5 |

f(x) = | x | + 3 f(x) = | x - 3 |

3. f(x) = - | x | + 1 4. f(x) = | x + 1 | + 2

f(x) = - | x + 1 | f(x) = | x + 1 | - 2

f(x) = - | x - 3 | f(x) = | x - 1 | + 2

f(x) = - | x | - 3 f(x) = | x - 1 | - 2

For each equation below, solve for x

5. | 7 + x | = 7 6. | -3x | = 15

7. 7|x| = 56 8. = 3

9. | k – 10 | = 3 10. 4 |x + 8 | = 56

11. |7x| + 3 =73 12. = 3