**PRACTICE AT FINDING EQUATIONS OF GRAPHS. ANSWERS.**

 Find the equations (and domains ie *x* values) of the following graphs labelled A to K.

 y

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | B |  |  |  |  |  |  | K |  |  |  |  |  |  |
| A | A | A | A | A | A | A | A | A | A | DA | A | A | A | A | A | A | A | A | A |
|  |  |  |  |  |  |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | C |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | A |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | F |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  -10 -5 0 5 10 x  |  |  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  | H |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | -5 |  |  |  |  |  |  |  |  |  |  |
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| A*y = (x + 9)(x + 6)2**-9 ≤ x ≤ -5* 0 *≤ y ≤ 4* | D*y = -3x + 8* *0 ≤ x ≤ 2* 2 *≤ y ≤ 8* | G*y = -x – 9* *-8 ≤ x ≤ -1* -8 *≤ y ≤ -1* |
| B*y = x + 9**-5 ≤ x ≤ 0* 4 *≤ y ≤ 9* | E*y = x2 – 2* *-2 ≤ x ≤ 2* -2 *≤ y ≤ 2* | H*y = - 8*  *x**-8 ≤ x ≤ -1* -8 *≤ y ≤ -1* |
| C *y = 3x + 8**-2 ≤ x ≤ 0* 2 *≤ y ≤ 8* | F *y = - (x – 4)(x – 8)*  *2**2 ≤ x ≤ 10* -6 *≤ y ≤ 2* | K *y = 2x**0 ≤ x ≤ 3* 1 *≤ y ≤ 8* |