Find the equation and Domain and Range for each graph below:

(label each graph clearly!)



F

E

D

C

B

A

|  |  |  |
| --- | --- | --- |
| ***A******y = - bx2 (x + 4)2******sub x = -2, y = -4******-4 = -b. 4 . 4******b = ¼*** ***y = - x2 (x + 4)2*** ***4******Domain =All x values******Range = All y values*** | ***C******y = - ½ x + 2******D is -4* ≤ *x* ≤ 2*****R is 1* ≤ *y* ≤ 4** | ***E******y = x – 5******D is 2 < x < 5******R is -3* ≤ *y* ≤ 0** |
| ***B******y = bx2******sub x = 2, y = 1******1 = b.4******b = ¼*** ***y = x2*** ***4******D is -4 < x < 2******R is 0* ≤ *y* ≤ 4** | ***D******y = -b(x – 3)2(x – 5)******sub x = 4, y = 3******3 = -b(-1)******b = 3******y = -3(x – 3)2(x – 5)******D is -∞ < x < 5******R is 0* ≤ *y* < *∞*** | ***F******y = (x – 3)2 – 4*** ***D is 2 < x < 5******R is -4* ≤ *y* ≤ 0** |