

A. Calculate the following sequences for values of  $x$  between  $-8$  and  $+8$ .

**1**  $y=3x + 5$

**2**  $y=4x-12$

**3**  $y=9x/4$

**4**  $y=x^2+5$

**5**  $y=x^2-3$

**6**  $y=12-x^2$

**7**  $y=x^2 + 3x + 9$

**8**  $y=x^2 - 7x + 12$

**9**  $y=x^2 + 2x - 13$

**10**  $y=x^3+5$

**11**  $y=x^3 - 7$

**12**  $y=x^3 - 14$

**13**  $y=x^3 + 2x^2 + 5x - 31$

**14**  $y= 3x^3 - 3x^2 + 3x - 3$

B. Use the information you have calculated to draw a line graph of each of the functions above.