

19 What is the solution of the equation  $2(x + 2)^2 - 4 = 28$ ?

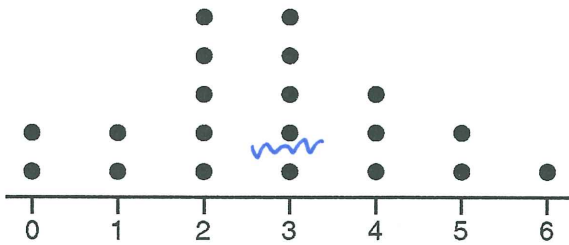
- (1) 6, only
- (2) 2, only
- (3) 2 and -6
- (4) 6 and -2

$$\begin{array}{r} 2(x+2)^2 - 4 = 28 \\ -28 \quad -28 \\ \hline 2(x+2)^2 - 32 = 0 \end{array}$$

plug into  $y =$  and look for the  $x$ -intercepts (where  $y$  is 0)

20 The dot plot shown below represents the number of pets owned by students in a class.

Total # of points: 20



mean =  $\frac{\text{sum of values}}{\text{\# of values}}$

median = middle value

$IQR = Q3 - Q1$   
 ↓ middle of second half      ↓ middle of first half

Which statement about the data is *not* true?

- (1) The median is 3. ✓
- (2) The interquartile range is 2.
- (3) The mean is 3.
- (4) The data contain no outliers.

