

1. ~~X~~ Abe is 3 years older than Max. If the sum⁺ of their ages is 35, how old are the boys?

$$X = \text{Abe's age} \quad X - 3 = \text{Max's age}$$

$$(X) + (X - 3) = 35$$

$$2X - 3 = 35$$

$$\begin{array}{r} +3 \quad +3 \\ \hline \end{array}$$

$$\frac{2X}{2} = \frac{38}{2}$$

$$X = 19$$

$$\text{ABE: } 19$$

$$\text{MAX: } 16$$

2. Evaluate the following function for this domain set $\{-4, 0, 2, 5\}$

$$f(x) = 2x^2 - 3x + 1$$

$$f(-4) = 2(-4)^2 - 3(-4) + 1 = 45$$

$$32 + 12 + 1$$

$$f(0) = 2(0)^2 - 3(0) + 1 = 1$$

$$f(2) = 2(2)^2 - 3(2) + 1 = 3$$

$$8 - 6 + 1$$

$$f(5) = 2(5)^2 - 3(5) + 1 = 36$$

$$50 - 15 + 1$$

$$\{45, 1, 3, 36\}$$

20 Minutes to work with group to...

- check solutions
- work through any questions where you have different answers
- HELP EACHOTHER to prepare for this TEST!!