Thursday 09/22/2017

SAT

 $4x^2 - 9 = (px + t)(px - t)$ Question 1

In the equation above, p and t are constants. Which of the following could be the value of p?

4x2-9 Special case a2-b2

$$(2x)^2 - 3^2 = (a-b)(a+b)$$

$$=(2x-3)(2x+3)$$

Question 2

If $a^2 + b^2 = z$ and ab = y, which of the following is equivalent to 4z + 8y?

A)
$$(a+2b)^2$$
 $4(a^2+b^2)+8(ab)$
B) $(2a+2b)^2$

C)
$$(4a+4b)^2 = 4a^2+4b^2+8ab$$

equivalent to
$$4z + 8y$$
?

A) $(a+2b)^2$

B) $(2a+2b)^2$

C) $(4a+4b)^2$

D) $(4a+8b)^2$
 $= 4a^2 + 8ab + 4b^2$
 $= 4a^2 + 8ab + 4b^2$
 $= 4a^2 + 8ab + 4b^2$

$$(2a+2b)^2$$