

NAME : _____

CLASS : _____

DATE : _____

1. $3(w + 4) = 3w + 12$ is an example of...

a) Inverse Property

b) Distributive Property

c) Multiplicative Inverse

d) Associative Property

2. $3 + (12 + 8) = 3 + (8 + 12)$

a) Associative Addition

b) Associative Multiplication

c) Commutative Addition

d) Commutative Multiplication

3. What is the sum of Mike's age, a , and his brother's age? His brother is five times Mike's age, increased by nine.

a) $5(x+9) = x$

b) $9(5+x) + x$

c) $9x+5 + x$

d) $5x+9 + x$

4. If $\sqrt{108} = k\sqrt{3}$ then the value of k is:

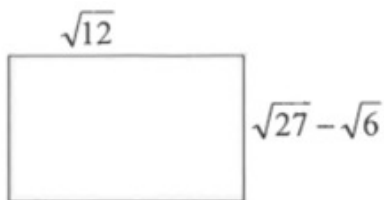
a) 105

b) 36

c) 6

d) 12

5.



Find the perimeter of the following:

a) $10\sqrt{3} - 2\sqrt{6}$

b) $5\sqrt{3} - \sqrt{6}$

c) $\sqrt{33}$

d) 6.2107

6. Which choice is not rational?

a) 2.5

c) -17

b) 5.72314.....

d) $\frac{1}{2}$

7. Solve using the quadratic formula...

$$9x^2 - 7x - 4 = 0$$

a)

$$\frac{7 \pm \sqrt{193}}{18}$$

b)

$$\frac{-7 \pm \sqrt{193}}{18}$$

c)

$$\frac{-7 \pm 193}{-18}$$

d) No solution