

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Practice Quiz Questions:**

1. Write an expression using "x" as the original price to represent the sale price of an item that is marked 20% off.

2. **Simplify:**

A)  $-3(4n - 9)$

B)  $(1.2a - 2.3b) + (4.5a - 6.9b) + (2.3 - 6.3a)$

C)  $-2/3 (-1/2x + 5x - 1) - 4x$

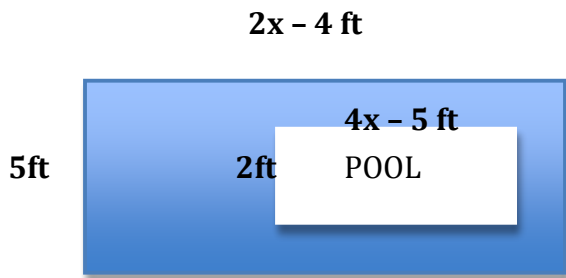
D)  $n + n - 2.3n$

3) A triangle has the side lengths of "x" inches, 7 inches and 4 inches. Find the perimeter.

4) A square has a side length of  $(a + b)$ , write an expression to represent its perimeter.

5) Subtract  $(2n^3 - 4n^4 - 6n)$  from  $(8n^3 - 6n^4 - 6)$

6) Andrew wants to put pavers around his pool in his backyard. Find how many square feet of pavers he will need (not drawn to scale).



B) Pavers cost \$34.25 a square foot. How much would he pay if  $x = 8$ ?

**Answers: 1)  $.80x$  or  $(1 - .20)x$  2) A)  $-12n + 27$  B)  $-.6a - 9.2b + 2.3$  C)  $-7x + 2/3$**

**D)  $-.3n$  3)  $x + 11$  inches 4)  $4a + 4b$  5)  $-2n^4 + 6n^3 + 6n - 6$**

**6)  $(10x - 20) - (8x - 10) = 2x - 10$  square feet B)  $2x - 10$  is the area;**

**if  $x = 8$ ;  $2(8) - 10 \rightarrow 6$  square feet at \$34.25 each = \$205.50**