## Name:

equation may be used to determine the age of all three people?
c) $\frac{85+x}{4}=256$
D) $\frac{256}{3}=\frac{85 x}{4}$

A student scored an 88,91 , and 76 on three math tests. What does the student need to get on the fourth test to have an average of 85 for all four tests?
lames wants to use algebra to solve this problem. Which equation should he use?

C) 90 square feet
D) 10 square feet
3 Savannah is 24 years older than Ryan, while Sebastian is 5 times as old as Ryan. If Savannah and Sebastian are twins, which
A) $8 x=24$
B) $24+2 x=5 x$
 savancen $=24+x$

4 A school club is raising money for a trip, and needs to reach $\$ 10,000$. Their fundraising progress is modeled by the function $f(x)=435+1200 x$, where $x$ is measured in weeks.

What is the meaning of the coefficient 1200 ?
A) It is the amount they started with.
B) It is the amount still to be raised.


5 Inti expression $2 x+3$, the 2 is a $\qquad$ .
coefficient
factor
O) product
D) term

1 Whish expression best represents the difference between triple a number and double a number?
A) $3 x-2 x$
$2 x-3 x$
(C) $3-x^{2} \quad 9 / C$
D) $x^{2}-x^{3}$

2


The rectangle shown has width $r$ feet, and its length is five feet longer than its width.
The expression which correctly shows she area of che rectangle if
A) $2 x+5$
B) $4 x+10$
(C) $x^{2}+5 x$
$x^{2}+10 x$
3 A golf driving range charges a flat fee of $\$ 20$ is practice and then $\$ 5.75$ for a bucket of balls. Write an equation that models the charges) $)$ in terms of the number of bucker of baths (b) that you use.
A) $C=5.75 b+20$
C) $b=5.75 C+20$
D) $b=20 C+5.75$

4
B) $C=20 b+5.75$



What is the equation of the line graphed?
A) $y=3 x$
$\frac{\text { rise }}{\text { run }}$
$\frac{3}{1}$
B) $y=3 x-2$
D) $y=\frac{1}{3} x-2$


Look at the sequence in the table. Which recursive formyl represents the sequence shown?
A) $a_{n}=a_{n-1}+4$
B) $a_{n}=4 a_{n-1}+1$
C) $a_{a}=2 a_{01}+3$
D) $a_{n}=2 a_{0,1}-1$
$3 \quad$ Which graph models the equation $2 x+3 y=6$ ?
A)



$$
\frac{3 y}{3}=\frac{-2}{3} x+\frac{6}{3}
$$




