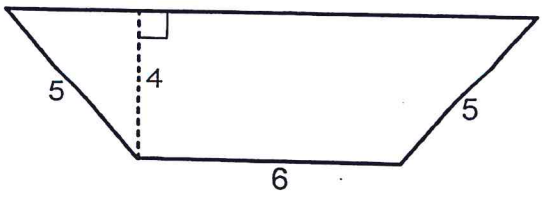
HON ALG 2 BELLWORK TUESDAY, FEB. 7, 2017

1. Stephanie was x years old 5 years ago. How old will she be 4 years from now?

A. $x + 4$
B. $5(x + 4)$
C. $x + 9$
D. $X - 1$
E. $X + 1$

2. The area of a trapezoid is found by using the formula where h is the height and b_1 and b_2 are the lenghts of the bases. What is the area of the trapezoid below?

A. 18
B. 20
C. 24
D. 30
E. 36



3. If r and s are both odd integers, which of the following must be an even integer?

A. $\frac{r+s}{2}$
B. $\frac{rs}{3}$
C. rs
D. $2rs$
E. $3rs$

4. If Alex can fold 12 napkins in x minutes, how many napkins can he fold in y hours?

A. $\frac{720}{xy}$
B. $\frac{xy}{720}$
C. $\frac{720y}{x}$
D. $\frac{720x}{y}$
E. $720xy$

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D. $X - 1$
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5 yrs ago age = ~~x~~

Now age = $x+5$

4 yrs from now age = $x+5+4$

$x+9$

2. The area of a trapezoid is found by using the formula where h is the height and b_1 and b_2 are the lenghts of the bases. What is the area of the trapezoid below?

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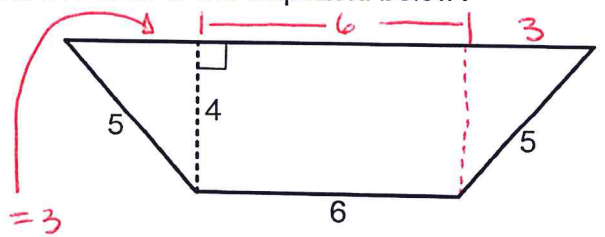

(use pythagorean theorem or remember 3,4,5 is a pythagorean triple)

$b_1 = 6$
$b_2 = 12$
$h = 4$

$A = \frac{1}{2}(6+12)\cdot 4 =$

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2 times any integer = even and r·s will be an integer.

4. If Alex can fold 12 napkins in x minutes, how many napkins can he fold in y hours?

A. $\frac{720}{xy}$
B. $\frac{xy}{720}$
C. $\frac{720y}{x}$
D. $\frac{720x}{y}$
E. $720xy$

$\frac{12 \text{ napkins}}{x \text{ min}} \cdot \frac{60 \text{ min}}{1 \text{ hr}}$

$= \frac{720 \text{ napkins}}{x \text{ hrs}} \cdot y \text{ hrs}$

$= \frac{720y}{x}$ napkins