

## Algebra Review Quiz 1-11 C

- \_\_\_\_\_ 1. Joe is 8 years older than Bo. The sum of their ages is 42. How old is Bo?
- \_\_\_\_\_ 2. Solve for n:  $-3n(4) - 2(5n - 4) = 16$
- \_\_\_\_\_ 3. Simplify:  $\frac{4n^{-2}b}{6n^3b^{-4}} =$
- \_\_\_\_\_ 4. Solve the system:  $\begin{cases} y = 3n + 2 \\ y = 5n - 2 \end{cases}$
- \_\_\_\_\_ 5. Solve for n:  $(n + 4)^2 = 36$
- \_\_\_\_\_ 6. Solve for n:  $-n > 10$
- \_\_\_\_\_ 7. Rewrite  $y = \frac{2}{5}x - 4$  in standard form.
- \_\_\_\_\_ 8. A 5 night stay and 12 meal package costs \$652.  
A 3 night stay and 7 meal package costs \$388.  
How much is it for each night?
- \_\_\_\_\_ 9. If  $A = \{3, 4, 5, 6, 7\}$  and  $B = \{4, 6, 8, 10\}$ ,  
what is  $A \cap B$ ?
- \_\_\_\_\_ 10. Solve for n:  $10 - 3(2n - 5) = 10$