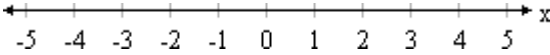


Algebra Review Quiz for Chapters 1-4 B

- _____ 1. If A = the number of flags on the American flag, how many elements are in A ?
- _____ 2. The area of a trapezoid is $A = \frac{1}{2} h(b_1 + b_2)$ where h is the height and b_1 and b_2 are the two parallel legs that are called the bases. What is the height a trapezoid that has bases of 6 cm and 10 cm with an area of 120 cm^2 ?
- _____ 3. What property states that $2 \cdot a = a \cdot 2$?
- _____ 4. John and Rick share an apartment. John pays 3 times what Rick pays since John has a much nicer room. If rent is \$484, how much does John pay of the rent?
5. On the number line below graph $x < -1$.
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- _____ 6. How many different combinations exist for a password that is 2 letters followed by 3 digits?
- _____ 7. If the image of (x, y) is $(x - 2, y + 5)$, what would $(-6, 1)$ become?
- _____ 8. If a shirt is d dollars, how much will you pay for it if it is 25% off?
- _____ 9. The measurements of a triangle's angles are $3n$, $5n - 10$, and $2n - 10$. What is the numerical value of the triangle's largest angle?
- _____ 10. Solve for n : $-3n - 8 > 22$