

ASSIGNMENT 28

1. Solve for x: $3(x + 1) = 21$

A $x = 7$

B $x = 6$

C $x = 5$

D $x = 4$

2. Solve for x: $2x + 2x + 3 = 23$

A $x = 10$

B $x = 2$

C $x = 5$

D $x = 6.5$

3. Your friend is solving the equation $5x + 2x + 1 = 29$. What would be the **best** first step?

A subtract $5x$ from both sides of the equation

B add $2x$ to both sides of the equation

C combine like terms, so that $5x$ and $2x$ combine to become $7x$

D subtract $2x$ from both sides of the equation

DIRECTIONS: Solve the equation for x.

4. $-6x + 5 = -49$

Check your answer:

5. $6(x - 2) + 4x = 8$

Check your answer:

6. $\frac{2x+18}{4} = 11$

Check your answer:

7. $0.5 (6x - 10) = 2 (6x - 25)$

Check your answer:

CHALLENGE:

$$\frac{\frac{3}{4} \left[-9 \left(2n + \frac{2}{3} \right) - \frac{1}{2} (7x + 14) \right]}{5} = 25$$