Algebra 1   6th hour   Bellwork   Tuesday, November 17, 2015

Find the exact solution to each equation. Check your answer

1. $4t - 2(t + 7) = 3 + 2t - 17$

2. $\dfrac{9B + 2}{5} - 1 = 7$

3. Solve this equation for A $ABC - PQ = Z$

4. Solve this equation for D $\dfrac{G - ED}{W} + C = K$

(Answers)

1. $4t - 2(t + 7) = 3 + 2t - 17$

$$4t - 2t - 14 = 3 + 2t - 17$$
$$2t - 14 = 2t - 14$$

$\boxed{\text{ALL REAL \#'s}}$

2. $\dfrac{9B + 2}{5} - 1 = 7$
$\qquad\qquad +1 \quad +1$

$$5 \cdot \dfrac{9B + 2}{5} = 8 \cdot 5$$
$$9B + 2 = 40$$
$$ -2 \quad\; -2$$
$$\dfrac{9B}{9} = \dfrac{38}{9}$$

$\boxed{B = \dfrac{38}{9}}$

3. Solve this equation for A $ABC - PQ = Z$

$\boxed{A = \dfrac{Z + PQ}{BC}}$

4. Solve this equation for D $\dfrac{G - ED}{W} + C = K$

$\boxed{D = \dfrac{(K - C)W - G}{-E}}$

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