EQUIVALENT EXPRESSIONS

SIMPLIFY THE FOLLOWING EXPRESSIONS. SHOW ALL OF YOUR WORK!

1.
$$-8(-5b+7)+5b$$

5.
$$\frac{1}{3}$$
t - $\frac{2}{3}$ t(5-3r)

6.
$$15.7 + (3x-5.2x)-5.3$$

FOR EACH OF THE FOLLOWING QUESTIONS, DETERMINE IF THE TWO EXPRESSIONS ARE EQUIVALENT OR NOT. SHOW ALL OF YOUR WORK!

8.
$$2(6-3x)+x & 2(3x)+x$$

ANSWER THE FOLLOWING QUESTIONS. SHOW ALL OF YOUR WORK!

11. THE WIDTH OF A RECTANGLE IS REPRESENTED BY 5+2y. THE LENGTHIS TWICE AS LONG AS THE WIDTH. WHAT IS THE PERIMETER OF THE RECTANGLE? CHOOSE ALL THAT APPLY.

A.
$$4(5+2y)$$

B.
$$6(5+2y)$$

0.30 + 12y

B.
$$3+5(9+2n)=48+5n$$
 TRUE OR FALSE

C.
$$9-3(y-2)=3-3y$$
 TRUE OR FALSE