

T2-14 Expressions Test Practice

Number _____ Name _____ Date _____ Period _____

1) $4(5x + 2) - 7x$

$13x + 8$

2) $-5x + 2(12 - 3x)$

$-11x + 24$

3) $7x - 6 - 2(5x - 8)$

$-3x + 10$

4) $3x - 2(4x - 12)$

$-5x + 24$

5) $-\frac{2}{5}(-10x + 35) - 14x$

$-10x - 14$

6) $\frac{1}{3}(24v - 15) - 30v$

$-22v - 5$

Factor the following expressions using the greatest common factor.

8) $4x - 8$

$4(x - 2)$

9) $14x + 35$

$7(2x + 5)$

10) $15x - 29$

Prime

Determine if the following expressions are equivalent. Explain how you know.

11) $15x - 9$ and $3(5x - 3)$

yes

12) $12x + 15$ and $4x + 5 - 16x + 10$

NO

13) $-3x + 12 - (-x + 2)$ and $-2(x - 5)$

yes