

Simplify Using The Distributive Property Show your work!

1. $8(3x - 2) - 4(5x + 7)$

2. $\frac{1}{3}(6k + 3) - 3(4k - 2) + 11k$

3. $-3 - \frac{4}{7}(14g + 35) + 3(2g - 5) - 17g$

4. $4(6t + 5) - (7t - 2) + 8t$

5. $7 - (3r - 5) + 3(11r + 5)$

6. $\frac{2}{9}(18f + 9) - \frac{3}{5}(25f - 15) + 13f$

7. $\frac{3}{8}(16y + 24) - \frac{2}{3}(21y - 12) + 7y$

8. $3x + 5 \leq 20$

$r = \{-5, -1, 5, 7, 11\}$

9. $x^2 - 3 \geq x$

$r = \{-4, -1, 1, 4, 10\}$

10. $5x + 7 < 2x$

$r = \{-7, -1, 3, 4, 11\}$

11. $2x + 5 > x^2$

$r = \{-1, 1, 2, 3, 4, 5, 7\}$

12. $5x + 4 \leq 26$

$r = \{-5, -1, 3, 4, 11\}$

13. $x^2 - 14 \geq x$

$r = \{-4, -1, 1, 4, 10\}$