

Students simplify expressions before solving linear equations and inequalities in one variable, such as $3(2x-5) + 4(x-2) = 12$. 1A4.0

158. Which of the following is equivalent to $4(x + 5) - 3(x + 2) = 14$?

- A $4x + 20 - 3x - 6 = 14$
- B $4x + 5 - 3x + 6 = 14$
- C $4x + 5 - 3x + 2 = 14$
- D $4x + 20 - 3x - 2 = 14$

159. Which of the following is equivalent to $9 - 3x > 4(2x - 1)$?

- A $13 < 11x$
- B $13 > 11x$
- C $10 > 11x$
- D $6x > 0$

$$\frac{20}{x} = \frac{4}{x - 5}$$

160. Which of the following is equivalent to the equation shown above?

- A $x(x - 5) = 80$
- B $20(x - 5) = 4x$
- C $20x = 4(x - 5)$
- D $24 = x + (x - 5)$

161. Which of the following is equivalent to $1 - 2x > 3(x - 2)$?

- A $1 - 2x > 3x - 2$
- B $1 - 2x > 3x - 5$
- C $1 - 2x > 3x - 6$
- D $1 - 2x > 3x - 7$