

Solving linear equations and linear inequalities

$$4c + 5 < 4c + 3$$

Which of the following best describes the solutions to the inequality shown above?

A All real numbers

B $c < \frac{1}{2}$

C $c > \frac{1}{4}$

D No solution

If $9 \geq 4x + 1$, which inequality represents the possible range of values of $12x + 3$?

A $12x + 3 \geq 17$

B $12x + 3 \leq 17$

C $12x + 3 \geq 27$

D $12x + 3 \leq 27$

$$6 = -s + 77$$

Given the above equation, what is the value of $1 + 5(77 - s)$?

Solving linear equations and linear inequalities

If $16 - 7w = w + 14 - 6w$, what is the value of $w - 1$?

(A) $w - 1 = -2$

(B) $w - 1 = 0$

(C) $w - 1 = 1$

(D) $w - 1 = -3$

If $\frac{1}{2} + \frac{2}{5}s = s - \frac{3}{4}$, what is the value of s ?

(A) $s = \frac{3}{4}$

(B) $s = \frac{25}{12}$

(C) $s = -\frac{25}{12}$

(D) $s = -\frac{3}{4}$
