

## FRACTION BUSTING

$$\left(\frac{-4}{1}\right) \frac{x+5}{-4} > 4(-4)$$

$$x+5 < -16$$

-5    +5

$$x < -21$$

CHECK

$$\frac{-22+5}{-4} > 4$$

$$\frac{-17}{-4} > 4$$

$$\frac{17}{4} > 4$$

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$$\frac{-20+5}{-4} > 4$$

$$\frac{-15}{-4}$$

$$\frac{15}{4} > 4$$

$$\frac{3x}{5} - \frac{4x}{6} = -5$$

$$\frac{4}{1} = 4$$

$$3(-2) > 4(-2)$$

$$\overset{6}{\cancel{30}} \left( \frac{3x}{\cancel{5}1} \right) - \overset{5}{\cancel{30}} \left( \frac{4x}{\cancel{6}1} \right) = -5(30)$$

$$\rightarrow 18x - 20x = -150$$

$$\frac{-2x}{-2} = \frac{-150}{-2}$$
$$x = 75$$

$$\frac{75(3)}{5} - \frac{75(4)}{6} = -5$$

$$\frac{225}{5} - \frac{300}{6}$$

$$45 - 50 = -5$$

$$\frac{4}{5} > \frac{4}{6}$$

$$\frac{1}{5} > \frac{1}{6}$$

$$\frac{3}{5} - \frac{4}{6}$$

$$4+2=6$$
$$3(4)+2=6(3)$$
$$12+2=14$$
$$14 \neq 18$$

$$4+2=6$$
$$3(4)+3(2)=6(3)$$
$$12+6=18$$
$$18 = 18$$