

$$3\left(\frac{2x+6}{3}\right) - 5 = 9$$

Alg. Prop.

$$\frac{3 \cdot 2x + 3 \cdot 6}{3} - 5 = 9$$

Dist. 3

$$1 \cdot 2x + 18 - 5 = 9$$

Simplify

$$2x + 13 = 9$$

Simplify

$$\begin{array}{r} 2x + 13 = 9 \\ -13 \quad -13 \\ \hline 2x = -4 \end{array}$$

Subt Prop
=

$$x = -2$$

Div Prop
=

$$3\left(\frac{2(-2)+6}{3}\right) - 5 = 9$$

Check
it
subst.

$$3\left(\frac{-4+6}{3}\right) - 5 = 9$$

P

E

$$\frac{3 \cdot -4 + 3 \cdot 6}{3} - 5 = 9$$

M

M

$$(-4 + 18) - 5 = 9$$

A

$$14 - 5 = 9$$

S

$$9 = 9$$

yes