

Quiz

February 24

1. Solve and verify.

$$5 - 3w = 2w$$

2. Solve and graph.

$$5p + 2 - 3p \geq 8 + 4p - 6$$

3. Solve

a)
$$4(2a - 2) = -2(1 - 5a)$$

b)
$$4 - \frac{2m}{3} = \frac{1m}{2}$$

Quiz

1. Solve and verify.

$$\begin{aligned}
 5 - 3w &= 2w \\
 -3w - 2w &= -5 \\
 \frac{-5w}{-5} &= \frac{-5}{-5} \\
 w &= 1
 \end{aligned}$$

LS	RS
$5 - 3w$	$2w$
$5 - 3(1)$	$2(1)$
$5 - 3$	2
2	
$LS = RS \therefore w = 1$	

2. Solve and graph.

$$\begin{aligned}
 5p + 2 - 3p &\geq 8 + 4p - 6 \\
 5p - 3p - 4p &\geq 8 - 6 - 2 \\
 \frac{-2p}{-2} &\geq \frac{0}{-2} \\
 p &\leq 0
 \end{aligned}$$



3. Solve

$$\begin{aligned}
 \text{a) } 4(2a - 2) &= -2(1 - 5a) \\
 8a - 8 &= -2 + 10a \\
 8a - 10a &= -2 + 8 \\
 \frac{-2a}{-2} &= \frac{6}{-2} \\
 a &= -3
 \end{aligned}$$

$$\begin{aligned}
 \text{b) } 4 - \frac{2m}{3} &= \frac{1m}{2} \\
 6(4) - 6\left(\frac{2m}{3}\right) &= 6\left(\frac{1m}{2}\right) \\
 24 - 4m &= 3m \\
 -4m - 3m &= -24 \\
 \frac{-7m}{-7} &= \frac{-24}{-7} \\
 m &= \frac{24}{7}
 \end{aligned}$$

Class / Homework

Solving equations worksheet.