

Solving Equations with Variables and Constants on Both Sides - Notes

Solve each equation.

$$1) \overset{-6p}{8p} - 5 = \overset{-6p}{6p} - 13$$

$$2p \overset{+5}{-5} = \overset{+5}{-13}$$

$$2p = -8$$

$$\frac{\quad}{2} \quad \frac{\quad}{2}$$

$$\boxed{p = -4}$$

$$2) \overset{+7}{-7} + 4v = \overset{+7}{11} - 5v$$

$$4v \overset{+5v}{+5v} = \overset{+5v}{18} - \overset{+5v}{5v}$$

$$9v = 18$$

$$\frac{\quad}{9} \quad \frac{\quad}{9}$$

$$\boxed{v = 2}$$