0.1 Solving Simple Equations

Corrective Assignment #1

Directions: Solve for the unknown variable. Show your work as it was described in the video.

1. $-6 = 4p - 10$	2. $15 - 2d = 11$	3. $2 = \frac{k+2}{2.5}$
4. $\frac{y+2}{6} = 1$	5. $\frac{h}{5} + 2 = 6$	6. $-3r - 5 = -23$
7. $3k - 6 = -27$	8. $h - 3h = -16$	9. $-5 - \frac{r}{3} = -8$
10. $3 = \frac{a+1}{5}$	11. $6 = 6 - 8h$	12. $9.9 = \frac{d}{4.4} + 1.1$

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Directions: Solve for the unknown variable. Show your work as it was described in the video.

1. $-6 = 4p - 10$

$+10 \quad +10$

$\frac{4}{4} = \frac{4p}{4}$

$1 = p$

2. $15 - 2d = 11$

$-15 \quad -15$

$\frac{-2d}{-2} = \frac{-4}{-2}$

$d = 2$

3. $2.5 \cdot 2 = \frac{k+2}{2.5} \cdot 2.5$

$5 = k + 2$

$-2 \quad -2$

$3 = k$

4. $6 \cdot \frac{y+2}{6} = 1 \cdot 6$

$y + 2 = 6$

$-2 \quad -2$

$y = 4$

5. $\frac{h}{5} + 2 = 6$

$-2 \quad -2$

$5 \cdot \frac{h}{5} = 4 \cdot 5$

$h = 20$

6. $-3r - 5 = -23$

$+5 \quad +5$

$\frac{-3r}{-3} = \frac{-18}{-3}$

$r = 6$

7. $3k - 6 = -27$

$+6 \quad +6$

$\frac{3k}{3} = \frac{-21}{3}$

$k = -7$

8. $h - 3h = -16$

$\frac{-2h}{-2} = \frac{-16}{-2}$

$h = 8$

9. $-5 - \frac{r}{3} = -8$

$+5 \quad +5$

$-\frac{r}{3} = -3$

Put negative sign in bottom

$\frac{r}{-3} = \frac{-3}{-3}$

$r = 9$

10. $5 \cdot 3 = \frac{a+1}{5} \cdot 5$

$15 = a + 1$

$-1 \quad -1$

$14 = a$

11. $6 = 6 - 8h$

$-6 \quad -6$

$\frac{0}{-8} = \frac{-8h}{-8}$

$0 = h$

12. $9.9 = \frac{d}{4.4} + 1.1$

$-1.1 \quad -1.1$

$(4.4) \cdot 8.8 = \frac{d}{4.4} \cdot (4.4)$

$38.72 = d$