

SADS

6.) $2x + 7 = 3$ } integer rules
 $\downarrow -7 \quad -7$ DS

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

- Steps
- add 7
 - divide by 2

$x = -2$

7.) $4b + 3 = -9$ } integer rules
 $\downarrow -3 \quad -3$ SA

$$\frac{4b}{4} = \frac{-12}{4}$$

- Steps
- subtract 3
 - divide by 4

$b = -3$

Reverse

8.) $17 = 5K + 2$
 $+2 \quad +2$

$$\frac{19}{5} = \frac{5K}{5}$$

$$\begin{array}{r} 3.8 \\ 5 \overline{) 19.0} \\ \underline{-15} \downarrow \\ 40 \end{array}$$

divide

$3.8 = K$

9.) $-6t + 7 = 17$
 $+7 \quad +7$

$$\frac{-6t}{-6} = \frac{24}{-6}$$
 } integer rules

$t = -4$

10.) $8n + 16.2 = 1.6$ } integer rules DS

$$\begin{array}{r} 8n + 16.2 = 1.6 \\ -16.2 \quad -16.2 \\ \hline 8n = -14.6 \\ \div 8 \end{array}$$

$n = -1.825$
rational #

$$\begin{array}{r} 14.600 \\ 8 \overline{) 14.600} \\ \underline{-8} \\ 66 \\ \underline{-64} \\ 20 \\ \underline{-16} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

11.) $-5g + 2.3 = -18.8$ } integer rules SA

$$\begin{array}{r} -5g + 2.3 = -18.8 \\ -2.3 \quad -2.3 \\ \hline -5g = -21.1 \\ \div -5 \end{array}$$

$g = 4.22$
another rational #

$$\begin{array}{r} 21.10 \\ 5 \overline{) 21.10} \\ \underline{-20} \\ 11 \\ \underline{-10} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

12.) $2t - 5 = -10$ } DS

$$\begin{array}{r} 2t - 5 = -10 \\ +5 \quad +5 \\ \hline 2t = -5 \\ \div 2 \end{array}$$

$t = -2.5$

$$\begin{array}{r} 5.0 \\ 2 \overline{) 5.0} \\ \underline{-4} \\ 10 \\ \underline{-10} \\ 0 \end{array}$$

13.) $-4p + 9 = -5$ } SA

$$\begin{array}{r} -4p + 9 = -5 \\ -9 \quad -9 \\ \hline -4p = -14 \\ \div -4 \end{array}$$

$p = 3.5$

14.) $11 = -5x - 2$

$$\begin{array}{r} 11 = -5x - 2 \\ +2 \quad +2 \\ \hline 13 = -5x \\ \div -5 \end{array}$$

$x = -2.6$

$$\begin{array}{r} 3.5 \\ 4 \overline{) 14.0} \\ \underline{-12} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

$$\begin{array}{r} 2.6 \\ 5 \overline{) 13.0} \\ \underline{-10} \\ 30 \\ \underline{-30} \\ 0 \end{array}$$