

Hw. p. 152 # 3-12

$$\begin{array}{r} 3A) \quad 8x + 4y = 24 \\ -8x \quad -8x \\ \hline 4y = -8x + 24 \\ \frac{4y}{4} = \frac{-8x + 24}{4} \\ y = -2x + 6 \end{array}$$

$$\begin{array}{l} 3B) \quad D = 0, 1, 2, 3 \\ R = 6, 4, 2, 0 \end{array}$$

3C) 6 CAN'T BE IN THE DOMAIN BECAUSE IT WOULD MAKE  $y$  A NEGATIVE SIX AND YOU CAN'T HAVE  $-6$  HEADBANDS

$$\begin{array}{l} 4) \quad D = -2, 0, 2, 4 \\ R = 3, 2, 1, 0 \end{array}$$

$$\begin{array}{l} 5) \quad D = -2, -1, 0, 1, 2 \\ R = -2, 0, 2 \end{array}$$

$$\begin{array}{l} 6) \quad D = 2, 3, 4, 5 \\ R = -3, -1, 1, 3 \end{array}$$

7) THEY SWITCHED THE DOMAIN AND RANGE.

$$\begin{array}{l} D = -3, -1, 1, 3 \\ R = 4, 2, 0, -2 \end{array}$$

$$\begin{array}{l} 8) \quad D = 2, 3, 5, 8 \\ R = *14, *21, *35, *56 \end{array}$$

$$9) \quad y = 6x + 2$$

X	-1	0	1	2	
Y	-4	2	8	14	

$$\begin{array}{l} D = -1, 0, 1, 2 \\ R = -4, 2, 8, 14 \end{array}$$

$$\textcircled{10} \quad y = -\frac{1}{4}x - 2$$

$$\textcircled{11} \quad y = 1.5x + 3$$

x	0	4	8	12
y	-2	-3	-4	-5

x	-1	0	1	2
y	1.5	3	4.5	6

$$D = 0, 4, 8, 12$$
$$R = -2, -3, -4, -5$$

$$D = -1, 0, 1, 2$$
$$R = 1.5, 3, 4.5, 6$$

$$\textcircled{12A} \quad D = 1, 2, 3$$
$$R = 6.856, 7.923, 8.135$$

$\textcircled{12B}$  THE DOMAIN MEANS THE ROUND OF THE COMPETITION. THE RANGE REPRESENTS THE SCORES

$$\begin{array}{r} \textcircled{12C} \quad \begin{array}{r} \phantom{0} \phantom{0} \phantom{0} \\ 6.856 \\ 7.923 \\ + 8.135 \\ \hline 22.914 \end{array} \end{array}$$

$$\begin{array}{r} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ 7.638 \\ 3 \overline{) 22.914} \\ \underline{-21} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \phantom{0} 19 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-18} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \phantom{0} \phantom{0} 11 \phantom{0} \phantom{0} \\ \underline{-9} \phantom{0} \phantom{0} \phantom{0} \phantom{0} \\ \phantom{0} \phantom{0} \phantom{0} 24 \end{array}$$

$$\textcircled{7.638}$$