

Algebra

Chapter 6 Test C

$$5. \quad \frac{-19.8}{3.6} \geq \frac{3.6y}{3.6} \quad \begin{array}{r} 3.6 \overline{) 198.0} \\ \underline{-180} \downarrow \\ 180 \\ \underline{-180} \\ 0 \end{array}$$

$$-5.5 \geq y$$

$$y \leq -5.5$$

$$11. \quad \begin{array}{l} 4 \leq n \\ n \geq -4 \end{array} \quad \text{or} \quad \begin{array}{l} 3n + 1 < -2 \\ -1 \quad -1 \end{array}$$

$$\frac{3n}{3} < \frac{-3}{3}$$

$$n < -1$$

$$14. \quad |3 - 2x| \geq 1$$

$$\begin{array}{l} -1(3 - 2x) \geq 1 \\ -3 + 2x \geq 1 \\ +3 \quad +3 \\ \frac{2x}{2} \geq \frac{4}{2} \\ x \geq 2 \end{array} \quad \begin{array}{l} +1(3 - 2x) \geq 1 \\ 3 - 2x \geq 1 \\ -3 \quad -3 \\ \frac{-2x}{-2} \geq \frac{-2}{-2} \\ x \leq 1 \end{array}$$

$$18. \quad \begin{array}{l} 1x - 3y \leq 12 \\ 2x + y \geq 1 \end{array} \rightarrow \begin{array}{l} -3y \leq -2x + 12 \\ y \geq -2x + 1 \end{array} \rightarrow y \geq \frac{2}{3}x - 4$$

$$\begin{array}{c|c} x & y \\ \hline & \end{array}$$

$$\begin{array}{c|c} x & y \\ \hline -3 & \\ 0 & \\ 3 & \end{array}$$

p. 77-78
 #s 10, 13, 17, 18