

9-45. See below:

a. 3

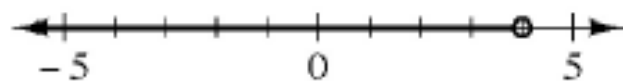
b. 1

c. 4

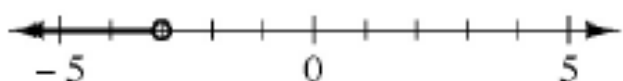
d. 2

9-46. See below:

a. $x < 4$



b. $x \leq -3$



c. $x > 2$



d. $x \geq 0$



9-47. $|S - \$24,000| \leq \1575 ; $\$22,425 \leq S \leq \$25,575$

9-48. $f(x) = 0.2(8)^x$

9-49. $y = \frac{3}{4}x - 3$

9-50. $AAS \cong$ or $ASA \cong$, $\triangle ABC \cong \triangle DCB$

9-51. Coryn: $a_n = t(n) = n + 2$; Leah: $a_n = t(n) = -\frac{1}{3}n + 3$