# *Quiz 4-3 Answer Key*




**1.** $\{x \mid 8 < x \leq 12\}$
**2.** $\{x \mid -1 < x < 12\}$
**3.** $\{x \mid 5 \leq x \leq 7\}$
**4.** $\{x \mid -1 < x \leq 7\}$
**5.** (b) $\{x \mid 5 \leq x < 8\}$; [5, 8)
**6.** (30, 55]
**7.** (0, 4)
**8.** [6, 8)
**9.** 8
**10.** 5
**11.** 9
**12.** 11
**13.** 33
**14.** 1
**15.** 0
**16.** 85
**17.** 65
**18.** 13
**19.** 59
**20.** 15
**21.** 21
**22.** 2
**23.** -54
**24.** 20
**25.** 2
**26.** 1
**27.** 3
**28.** 6
**29.** 10
**30.** 11
**31.** (b) $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
**32.** (f) all of these
**33.** 2
**34.** $\sqrt{17}$
**35.** $\sqrt{13}$
**36.** (3, 5)
**37.** (5, 4)
**38.** (4, 6)
**39.** (62, 62)
**40.** (150, 150)
**41.** e
**42.** c
**43.** a
**44.** d
**45.** b


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