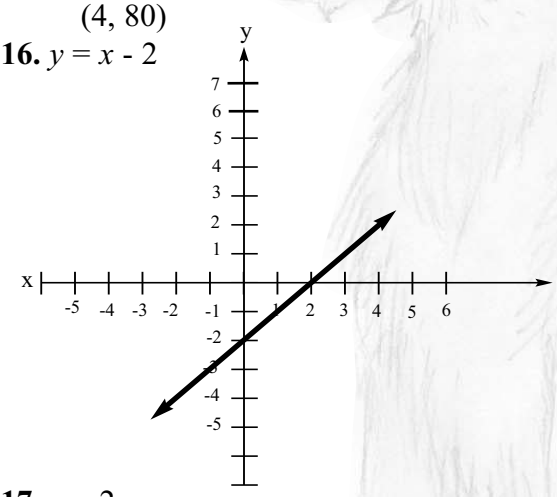
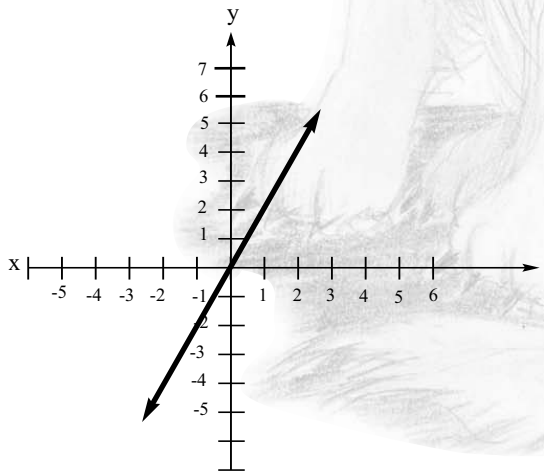
# Chapter 5 Test Key

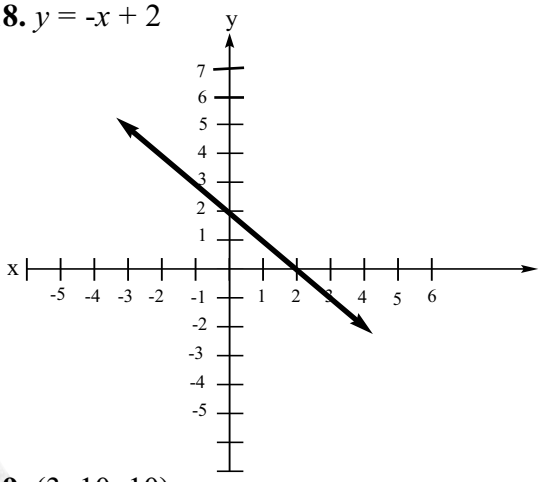
**1.** D: {2, 3, 4, 6}
**2.** R: {2, 4, 5, 8}
**3.** Domain, D: $\{x \mid 0 \le x \le 3\}$
**4.** Range, R: $\{y \mid 0 \le y \le 5\}$
**5.** Domain:, D: $\{x \mid -\infty < x < \infty\}$
**6.** Range, R: $\{y \mid -\infty < y \le 5\}$
**7.** Domain:, D: $\{x \mid -\infty < x < \infty\}$
**8.** Range, R: $\{y \mid -\infty < y < \infty\}$
**9.** not a function
**10.** function
**11.** function
**12.** not a function
**13.** (-1, 8), (0, 9), (1, 10), (2, 11), (3, 12), (4, 13)
**14.** (-1, -12), (0, -8), (1, -4), (2, 0), (3, 4), (4, 8)
**15.** (-1, -20), (0, 0), (1, 20), (2, 40), (3, 60), (4, 80)
**16.** $y = x - 2$




**17.** $y = 2x$




**18.** $y = -x + 2$




**19.** (3, 10, 10) answer may vary
**20.** (4, 9, 10)
**21.** trinomial
**22.** polynomial of nine terms
**23.** monomial
**24.** binomial
**25.** $7x + 16$
**26.** $10x + 19$
**27.** $10x - 2y + 5$
**28.** $41x + 9y - 6$
**29.** $z$
**30.** $9a + 3b + 4c$
**31.** $4x + 12$
**32.** $15x + 20$
**33.** $\frac{2x+6}{5x-5}$
**34.** $\frac{4x+2}{9x-6}$
**35.** $8a + 4b$
**36.** $4x - 5y + 6$
**37.** $2x^2 + x$
**38.** $10x - 5y + 1$
**39.** $8a + 4b + 5c + 3d$
**40.** $2x^3 + 2x^2 + 5x - 2$
**41.** (b)
**42.** (d)
**43.** (c)
**44.** (b)
**45.** (c)


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