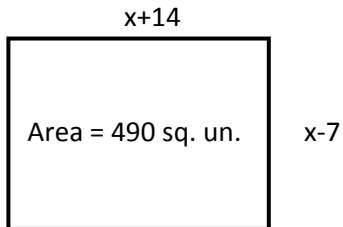


Quiz 34.1

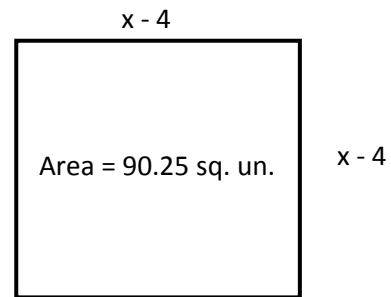
Solve each figure for the variable given.

1)



- a) $x = 19$
- b) $x = 20$
- c) $x = 21$
- d) $x = 22$

2)



- a) $x = 13.5$
- b) $x = 14.5$
- c) $x = 15.5$
- d) $x = 16.5$

Factor each completely.

3. $b^2 + 14b + 45$

- A) $(b + 9)(b - 5)$
- B) $(b - 6)(b + 10)$
- C) $(b + 3)(b + 1)$
- D) $(b + 9)(b + 5)$

4. $b^2 + 13b + 40$

- A) $(b + 5)(b + 8)$
- B) $(b - 5)(b + 8)$
- C) $(b - 8)(b - 1)$
- D) $(b - 5)(b - 8)$