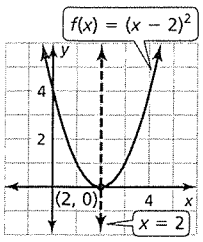
2.2 Practice A

1.



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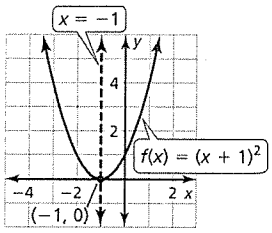

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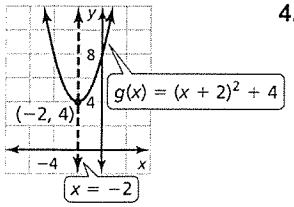

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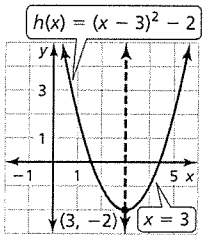

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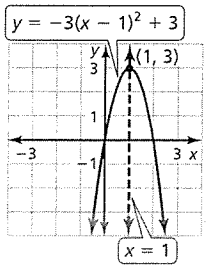

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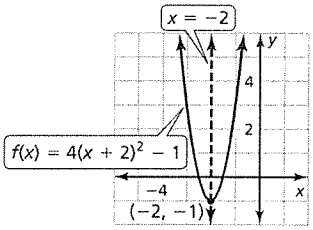

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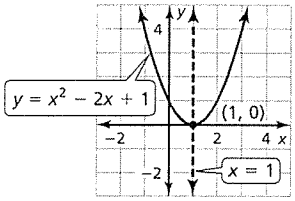

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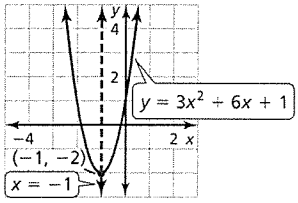

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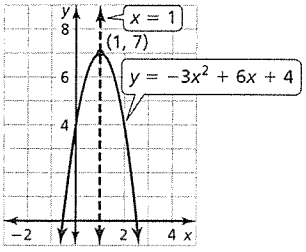

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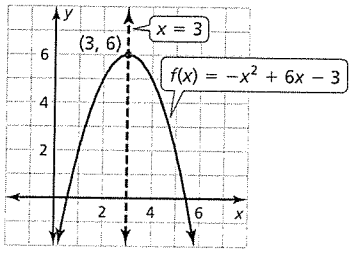

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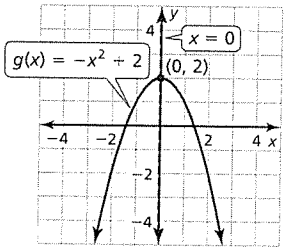

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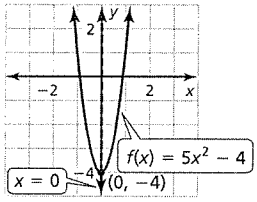

13. Both graphs have the same axis of symmetry, $x = -2$.

14. C; It has the largest leading coefficient, $a = 3$.

15. minimum: 2; domain: all real numbers, range: $y \geq 2$; increasing to the right of $x = 0$; decreasing to the left of $x = 0$

16. minimum: -3; domain: all real numbers, range: $y \geq -3$; increasing to the right of $x = 0$; decreasing to the left of $x = 0$

17. maximum: 3; domain: all real numbers, range: $y \leq 3$; increasing to the left of $x = 2$; decreasing to the right of $x = 2$

18. maximum: 11; domain: all real numbers, range: $y \leq 11$; increasing to the left of $x = 1$; decreasing to the right of $x = 1$

19. **a.** noon **b.** 75 customers