

Name _____

Period _____

10. If a watch is set at 4 pm and loses 1.5 minutes every 2 hours, what will it read when it is actually 4 pm the following day?
- a) 3:18 b) 3:24 c) 3:41 d) 3:42 e) 3:50

11. A clock is too slow. It loses between 2 and 4 seconds every day. If the time is set correctly on Monday at noon, what is most the time could be off by the following Monday at noon?
- a) 28 seconds b) 21 seconds c) 14 seconds
d) 11 seconds e) 9 seconds

12.

$$\begin{array}{r} 6 \\ 9 \\ a \\ c \\ + 14 \\ \hline 23 \end{array} \qquad \begin{array}{r} 13 \\ 12 \\ a \\ b \\ + 15 \\ \hline 48 \end{array}$$

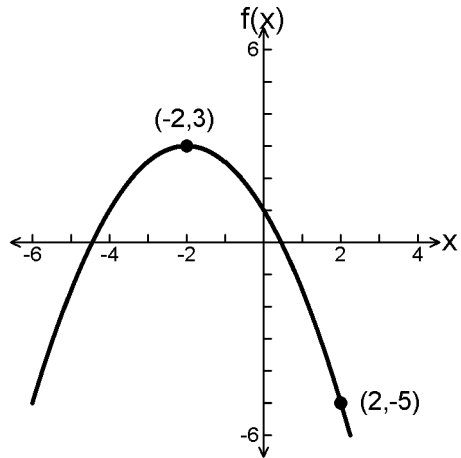
In the correctly worked addition problems above, what is the value of $b - c$?

- a) 13 b) 14 c) 15 d) 16 e) 17
13. If $x + y = 8$ and $x - y = 5$, what is the value of $x^2 - y^2$?
- a) -60 b) -40 c) 20 d) 40 e) 60

14. Nine cases of candy bars cost \$24. What is the cost of 13.5 cases of candy bars?
- a) \$18 b) \$30 c) \$33 d) \$36 e) \$42

15. A cashier earns \$4.35 an hour. How much money does he earn in 4 hours and 20 minutes?
- a) \$17.40 b) \$18.27 c) \$18.85
d) \$19.58 e) \$21.75

16. A computer can print 12 pages in 8 seconds. At the same rate, how many pages can it print in 24 minutes?
- a) 16 b) 36 c) 300 d) 2160 e) 2304



17. The figure above shows the graph of quadratic function f with vertex at $(-2, 3)$. If the parabola shown is reflected in the x -axis, what would be the image of the vertex after the reflection?
- a) $(2, -3)$ b) $(2, 3)$ c) $(-2, -3)$
d) $(3, -2)$ e) $(3, 2)$

1.
Answer: e
CodePath: EAS.SAT.F.A.1

2.
Answer: b
CodePath: EAS.SAT.F.A.2

3.
Answer: d
CodePath: EAS.SAT.F.A.4

4.
Answer: b
CodePath: EAS.SAT.F.A.21

5.
Answer: e
CodePath: EAS.SAT.F.A.25

6.
Answer: a
CodePath: EAS.SAT.F.A.27

7.
Answer: d
CodePath: EAS.SAT.F.A.28

8.
Answer: b
CodePath: EAS.SAT.F.A.29

9.
Answer: e
CodePath: EAS.SAT.F.A.31

10.
Answer: d
CodePath: EAS.SAT.B.G.25

11.
Answer: a
CodePath: EAS.SAT.B.G.30

12.
Answer: b
CodePath: EAS.SAT.B.E.1

13.
Answer: d
CodePath: EAS.SAT.B.E.3

14.
Answer: d
CodePath: EAS.SAT.A.D.8

15.
Answer: c
CodePath: EAS.SAT.A.D.15

16.
Answer: d
CodePath: EAS.SAT.A.D.12

17.
Answer: c
CodePath: EAS.SAT.G.H.2