

CHAPTER
2 **Quiz**
Section A

Select the best answer.

- A person had \$2250 in his bank account at the beginning of the year. He deposited the same amount once a month for 6 months. At the end of the 6 months there was \$3060 in the account. How much did he deposit each month?
A \$135.00 **C** \$885.00
B \$810.00 **D** \$4860.00
- Solve $2x - 8 = 4 + 6x - 7 - 4x$.
F $x = 0$ **H** all real numbers
G $x = 1$ **J** no solution
- Solve $8x - 7 \leq 4x + 9$.
A $x \leq -4$ **C** $x < 4$
B $x \leq \frac{1}{2}$ **D** $x \leq 4$
- Solve $\frac{30}{6} = \frac{45}{x}$.
F $x = 4$ **H** $x = 9$
G $x = 8$ **J** $x = 225$
- Over the course of an 82-game season, a professional basketball player scored 1230 points. About how many points per game did the player score?
A 0.067 **C** 15
B 2.8 **D** 1148
- The right triangles ABC and DEF are similar. The hypotenuse of $\triangle ABC$ measures 28 cm and the hypotenuse of $\triangle DEF$ measures 7 cm. If one of the legs of $\triangle ABC$ measures 16 cm, what does the corresponding leg of $\triangle DEF$ measure?
F 1 cm **H** 12 cm
G 4 cm **J** 64 cm
- Which set of points could represent a linear function?
A $\{(2, 1), (5, 3), (6, 7), (7, 11)\}$
B $\{(2, -1), (5, 3), (8, 7), (11, 11)\}$
C $\{(2, -1), (5, 5), (8, 7), (11, 11)\}$
D $\{(5, -1), (5, 5), (8, 7), (11, 11)\}$
- A line has slope $-\frac{7}{5}$ and passes through $(2, -6)$. Which of these points is also on the line?
F $(-7, 5)$ **H** $(9, -11)$
G $(7, -13)$ **J** $(12, -20)$
- What is the x -intercept of the line $8x + 4y = -32$?
A $x = -8$ **C** $x = -2$
B $x = -4$ **D** $x = -\frac{1}{2}$
- What is $8x - 5y = 15$ in slope-intercept form?
F $x = \frac{5}{8}y + \frac{15}{8}$ **H** $y = \frac{8}{5}x + 3$
G $y = \frac{8}{5}x - 3$ **J** $5y = 8x - 15$
- Which is the equation of the line that contains the points in the table?

x	-8	2	6
y	-16	-1	5

A $y = \frac{2}{3}x + 1$ **C** $y = \frac{3}{2}x + 1$
B $y = \frac{3}{2}x - 4$ **D** $y = \frac{3}{2}x + \frac{7}{2}$
- Which is the equation of the line perpendicular to $y = 6x - 7$ and passing through $(12, 4)$?
F $y = -6x + 36$ **H** $y = \frac{1}{6}x + 2$
G $y = -\frac{1}{6}x + 6$ **J** $y = 6x - 12$
- Chicken at a grocery store costs \$4 per pound and beef costs \$5 per pound. If a shopper buys 3 pounds of chicken, how many pounds of beef can the shopper buy and still spend less than \$36?
A between 0 and 4.8 pounds
B greater than 4.8 pounds
C between 0 and 5.25 pounds
D greater than 5.25 pounds

CHAPTER 2

Section Quiz: Section A

1. A
2. J
3. D
4. H
5. C
6. G
7. B
8. J
9. B
10. G
11. B
12. G
13. A

Section Quiz: Section B

1. B
2. F
3. B
4. J
5. D
6. H
7. C
8. F
9. A

Chapter Test Form A

1. B
2. A
3. C
4. A
5. C
6. B

7. C
8. A
9. B
10. A
11. B
12. B
13. D
14. B
15. D
16. B
17. D
18. B
19. C
20. A
21. D

Chapter Test Form B

1. B
2. H
3. C
4. F
5. C
6. H
7. C
8. G
9. A
10. F
11. C
12. J
13. A
14. F
15. A
16. H
17. C