

SA I T O P D E E U P
 U S H A N T O S O E H
 O I N O F F A R A T H

Answers 1-8

$18n + 60$
$28x + 10y + 8$
$7x + 7y$
$18n + 36$
$55 + 10y$
$8xy + 5y^2 + 6y$
$x^2 + 8xy$
$4n + 36$
$28x + 21y + 7$
$8xy + 21y + 6$
$nx + ny$

Answers 9-16

$7(a^2 + 3b + 8)$
$3(a + 3b + 2)$
$2(a + 9)$
$b(e + a)$
$e(a + b)$
$5(b + 12)$
$6(a + b)$
$3(a + 5b + 4)$
$7(a^2 + a + 5)$
$a(a + 3)$
$b(e + 13)$

Answers 17-24

$15p + 12q + 25$
$11m$
$11m + 38$
$17p + 6q$
$48p + 13q + 18$
$5p + 13q + 20$
$5q + 9$
$15p + 16q + 18$
$11m + 34$
$48p + 11q + 20$
$8p + 23$

What Does Joe Starbuck Never Wear While Drinking Coffee?

Cross out the letter next to each correct answer. When you finish, the answer to the title question will remain.

In Exercises 1-8, use the distributive property to write an equivalent expression.

- | | |
|---------------------|---------------------|
| 1. $7(x + y)$ | 2. $4(n + 9)$ |
| 3. $5(11 + 2y)$ | 4. $n(x + y)$ |
| 5. $x(x + 8y)$ | 6. $(9n + 30)2$ |
| 7. $7(4x + 3y + 1)$ | 8. $y(8x + 5y + 6)$ |

In Exercises 9-16, factor the expression.

- | | |
|-------------------|----------------------|
| 9. $6a + 6b$ | 10. $2a + 18$ |
| 11. $ea + eb$ | 12. $a^2 + 3a$ |
| 13. $5b + 60$ | 14. $eb + 13b$ |
| 15. $3a + 9b + 6$ | 16. $7a^2 + 7a + 35$ |

In Exercises 17-24, combine like terms.

- | | |
|------------------------------------|-----------------------|
| 17. $8m + 3m$ | 18. $4q + 9 + q$ |
| 19. $5p + 6q + 12p$ | 20. $7 + 7p + 16 + p$ |
| 21. $2p + 9q + 20 + 3p + 4q$ | |
| 22. $8p + 5q + 1 + 7p + 7q + 24$ | |
| 23. $11 + 4m + 5 + m + 18 + 6m$ | |
| 24. $3q + 10p + 18 + 9q + 38p + q$ | |



Integer Operations #1

Name: _____
Class: _____
Date: _____

Simplify the following problems:

1. $2 + (-14) - 7 =$

2. $-10 - 3 + 8 =$

3. $-4(-11) =$

4. $-12 - (-15) =$

5. $10 + 14 - 50(2) + 7 =$

6. $2 - 16 \div 2 + (-24) =$

7. $-2 + 7 + (-4) - (-18) =$

8. $10 - (-2)(-4) =$

9. $\frac{-30}{6} + (-7) =$

10. $\frac{-32}{-4} =$

11. $(-2)(4)(3)(-2)(-3) =$

12. $\frac{33}{-3} + (-17)(-1) =$

13. $2 - \frac{80}{16} =$

14. $4(-3) \div (-2)(-8) =$

Simplify for $a = -2$, $b = 4$, $c = -1$

13. $abc - ac$

14. $a^2 + b^2$

15. $\frac{ab}{c}$

16. $|a - b| =$

17. $b^2 - c^3 =$

18. $ab - ac$

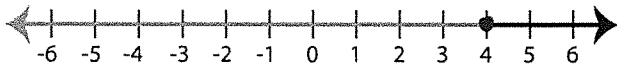
Name : _____

Score : _____

Writing Inequalities

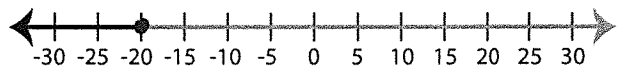
Write the inequality that best describes each graph :

1)



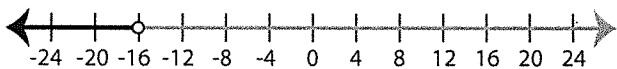
Inequality : _____

2)



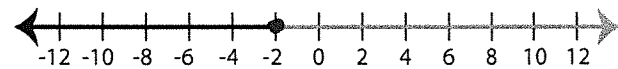
Inequality : _____

3)



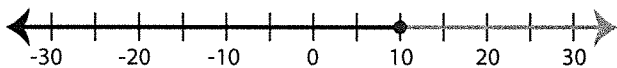
Inequality : _____

4)



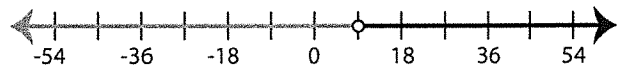
Inequality : _____

5)



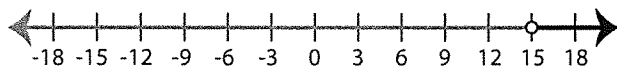
Inequality : _____

6)



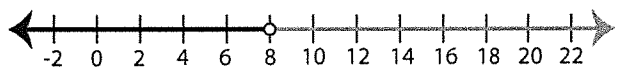
Inequality : _____

7)



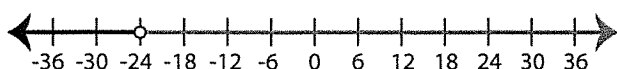
Inequality : _____

8)



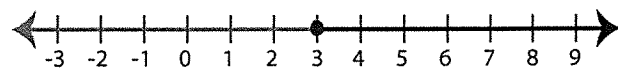
Inequality : _____

9)



Inequality : _____

10)



Inequality : _____

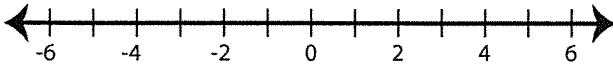
Name : _____

Score : _____

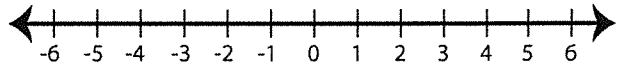
Graphing Inequalities

Graph the inequality :

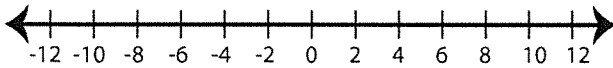
1) $x \geq -2$



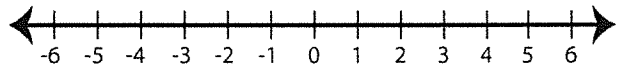
2) $x < 5$



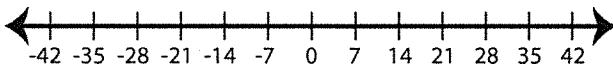
3) $x \leq 6$



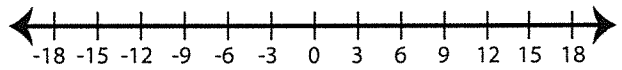
4) $x > 1$



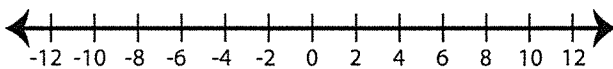
5) $x < -14$



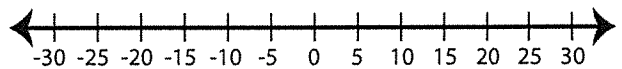
6) $x \leq 9$



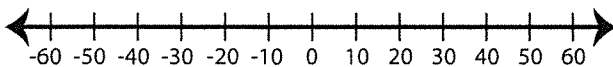
7) $x > -2$



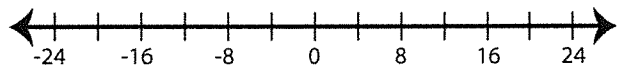
8) $x \geq -15$



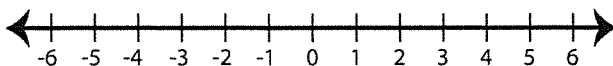
9) $x \leq -10$



10) $x > 16$



11) $x > -1$



12) $x \geq -3$

