

Section 3-2: Translating Verbal Phrases into Symbols

1. 060408a, P.I. A.A.1
Tara buys two items that cost d dollars each. She gives the cashier \$20. Which expression represents the change she should receive?
[A] $20 + 2d$ [B] $2d - 20$
[C] $20 - d$ [D] $20 - 2d$
2. 080509a, P.I. A.A.1
The sum of Scott's age and Greg's age is 33 years. If Greg's age is represented by g , Scott's age is represented by
[A] $g + 33$ [B] $g - 33$
[C] $33g$ [D] $33 - g$
3. 010604a, P.I. A.A.1
Which expression represents "5 less than the product of 7 and x "?
[A] $7x - 5$ [B] $7(x - 5)$
[C] $5 - 7x$ [D] $7 + x - 5$
4. 010820a, P.I. A.A.1
If x represents a given number, the expression "5 less than twice the given number" is written as
[A] $5 - 2x$ [B] $5 < 2x$
[C] $2x - 5$ [D] $5 < 2 + x$
5. fall0729ia, P.I. A.A.2
Which verbal expression represents $2(n - 6)$?
[A] two times the quantity six less than n
[B] two times n minus six
[C] two times the quantity n less than six
[D] two times six minus n
6. 060113b, P.I. A.A.1
A store advertises that during its Labor Day sale \$15 will be deducted from every purchase over \$100. In addition, after the deduction is taken, the store offers an early-bird discount of 20% to any person who makes a purchase before 10 a.m. If Hakeem makes a purchase of x dollars, $x > 100$, at 8 a.m., what, in terms of x , is the cost of Hakeem's purchase?
[A] $0.20x - 3$ [B] $0.80x - 12$
[C] $0.85x - 20$ [D] $0.20x - 15$

[1] D

[2] D

[3] A

[4] C

[5] A

[6] B