

Name

Spiral Review 18

Directions: Show your work for credit. Use your notes and textbook for support

1 What is "two more than the quotient of six and a number, n ," written as an algebraic expression?

A $6n + 2$

B $6n - 2$

C $\frac{6}{n} + 2$

D $\frac{6}{n} - 2$

2 Which expression is equivalent to $(7x - 5) - (3x - 2)$?

A $10x - 7$

C $4x - 7$ *Show your work.*

B $10x - 3$

D $4x - 3$

3 Derek conducts a probability experiment for his mathematics class. He uses the ten cards shown below.

Card 1 Black	Card 2 Black	Card 3 Black	Card 4 White	Card 5 White
Card 6 White	Card 7 White	Card 8 Gray	Card 9 Gray	Card 10 Gray

Derek randomly picks one of the ten cards from a container, looks at the color, and replaces the card. He repeats this 100 times. How many times would you expect Derek to pick a white card?

Show your work.

A 20 times

B 30 times

C 40 times

D 50 times

4 Which expression is equivalent to $4.8 + 2.2w - 1.4w + 2.4$

A $0.4(6 + 2w)$

Show your work.

B $0.8(9 + w)$

C $1.6(3 + 2w)$

D $3.6(2 + w)$

5 A store purchased a DVD for \$12.00 and sold it to a customer for 50% more than the purchase price. The customer was charged a 7% tax when the DVD was sold. What was the customer's total cost for the DVD?

A \$12.84

Show your work.

B \$18.42

C \$18.84

D \$19.26

6 Kelsie sold digital cameras on her web site. She bought the cameras for \$65 each and included a 60% markup to get the selling price. To the nearest dollar, what was the selling price for one camera?

Show your work.

Answer \$_____