Chapter 1 Practice Exam

This looks exactly like your real exam, but I've changed the numbers and re-arranged the questions
Show all work; that is more important than the answer…
YOU NEED TO HAVE A QUIZ STRIP WITH YOU OR YOU LOSE 10-POINTS OFF THE TOP OF YOUR GRADE BORROWING ONE FROM ANOTHER STUDENT

____ 1. $5\left[(12-6)^2 \div 4\right]$

____ 2. $(-9)^2$

____ 3. –3.4 – (–4.8) + 5.3

____ 4. -9^2

____ 5. (–8 – *c*)(–1)

____ 6. 4.3 – 2.8 – 3.73 + 1.4 – 2.63

____ 7. Evaluate $-x + (-8.3)$ for $x = 0.9$.

____ 8. A mountain climber ascends a mountain to its peak. The peak is 13,950 ft above sea level. The climber then descends 460 ft to meet a fellow climber. Find the climber's elevation above sea level after meeting the other climber.

____ 9. $20 \div (-4)$

____ 10. Evaluate $7m + 2n - \frac{8p}{n}$ for $m = -4$, $n = 2$, and $p = 1.5$.

Write an algebraic expression for the phrase.

____ 11. 8 times the quantity y minus 9

____ 12. You made two deposits to your bank account this month. One deposit was $22.15, and the second deposit was $10.99. Your balance at the end of the month is $72.31, and you made no withdrawals. Write and evaluate an expression for your balance at the beginning of the month.

____ 13. Evaluate the expression $(ab)^2$ for $a = 7$ and $b = 3$.

____ 14. Write $-\frac{1}{6}, \frac{5}{7}, -\frac{1}{2}$ in order from least to greatest.

____ 15. Simplify each element in the matrix.

$$\begin{bmatrix} 2^5 - 3(4) & -4 \div (-1) + 3 \\ \left(\frac{1}{4}\right)\left(2\frac{1}{3}\right) & \frac{14 + (-17)}{6} \end{bmatrix}$$

End of Practice Test