CHAPTER 1 FORM A

TECHNICAL MATH

NAME:

SECTION:____

Perform the indicated operation

1.
$$(-4) + 12$$

$$2. -3-3+7$$

3.
$$5^2 - 3(13 - 7)$$

4.
$$8-3(6+(-2))$$

5.
$$\frac{4(-2)(3)}{(2)(-1)}$$

6.
$$-4^2 + 16$$

$$7. \left(\frac{3}{4}\right)^2$$

8.
$$-\left(-\frac{2}{5}\right)^2$$

9.
$$|2(4-2)^2-10|$$

10.
$$\frac{3.25^2 + \sqrt{12}}{2(3.1)^2}$$
 Round to the nearest thousandth.

11.
$$\sqrt{2.25 + 4.1^2}$$
 Round to the nearest hundredth.

2 TECHNICAL MATHEMATICS, Signed Numbers

14. Express 2.17 x 10⁷ as an ordinary number.

14. _____

15. Add: $(7.34 \times 10^5) + (2.2 \times 10^4)$

15. _____

16. Subtract: (5.67×10^{-4}) from (9.9×10^{-3})

16. _____

17. Multiply: $(3.6 \times 10^5)(2.4 \times 10^3)$

17. _____

18. Divide: $\frac{(1.2 \times 10^{-4})}{(4.8 \times 10^2)}$

- 18. _____
- 19. On a recent math test a student missed 4 True/False questions worth 2 points a piece and 3 word problems worth 2.5 points each. If the total number of points possible was 100, what was the student's score?

19.____

20. An engineer needs to find the time it will take for his new computer to do 50 billion calculations. If it takes his new computer 2.6×10^{-13} seconds to do one calculation, how long will it take to do the 50 billion calculations? Leave your answer in scientific notation.

20.

CHAPTER 1 FORM B

TECHNICAL MATH

NAME:

SECTION:____

Perform the indicated operation

1.
$$(-5)+11$$

$$2. -4-4+9$$

3.
$$4^2 - 3(13 - 10)$$

4.
$$7-3(5+(-3))$$

5.
$$\frac{5(-2)(3)}{(3)(-1)}$$

6.
$$-5^2 + 25$$

$$7. \left(\frac{2}{5}\right)^2$$

8.
$$-\left(-\frac{3}{4}\right)^2$$

9.
$$|3(4-6)^2-10|$$

10.
$$\frac{2.75^2 + \sqrt{20}}{3(2.1)^2}$$
 Round to the nearest thousandth.

11.
$$\sqrt{3.5+4.3^2}$$
 Round to the nearest hundredth.

Introduction to Technical Mathematics 5th Edition Washington Test Bank

Full Download: https://alibabadownload.com/product/introduction-to-technical-mathematics-5th-edition-washington-test-bank/

4 TECHNICAL MATHEMATICS, Signed Numbers

14. Express 7.12 x 10 ⁵ as an ordinary number
--

15. Add:
$$(3.74 \times 10^5) + (3.2 \times 10^4)$$

16. Subtract:
$$(6.57 \times 10^{-4})$$
 from (9.9×10^{-3})

17. Multiply:
$$(4.3 \times 10^5) (5.2 \times 10^3)$$

18. Divide:
$$\frac{(1.2 \times 10^{-5})}{(4.8 \times 10^{-2})}$$

19. On a recent math test a student missed 5 True/False questions worth 3 points a piece and 2 word problems worth 3.5 points each. If the total number of points possible was 100, what was the student's score?

19.____

20. An engineer needs to find the time it will take for his new computer to do 75 billion calculations. If it takes his new computer 2.7×10^{-13} seconds to do one calculation, how long will it take to do the 75 billion calculations? Leave your answer in scientific notation.

20.____