

Name _____

Evaluate each expression.

Show work

1. $(1 + 7) \times 3$

2. $28 - 4 \cdot 7$

3. $5 + 4 \cdot 3$

4. $(40 \div 5) - 7 + 2$

5. $35 \div 7(2)$

6. 3×10^3

7. $45 \div 5 + 36 \div 4$

8. $42 \div 6 \times 2 - 9$

9. $2 \times 8 - 3^2 + 2$

Find the square of each number.

1. 2

2. 8

3. 10

4. 11

5. 15

6. 25

7. What is the square of 5?

8. Find the square of 16.

9. Find the square of 21.

Find each square root.

10. $\sqrt{64}$

11. $\sqrt{121}$

12. $\sqrt{169}$

13. $\sqrt{0}$

14. $\sqrt{81}$

15. $\sqrt{289}$

16. $\sqrt{900}$

17. $\sqrt{1}$

18. $\sqrt{484}$

Copy and complete each function table.
range.

1. $y = x - 1$

2. $y = x + 7$

3. $y = 3x$

x	y
1	
2	
3	
4	

x	y
1	
2	
3	
4	

x	y
1	
2	
3	
4	

4. $y = 4x$

5. $y = x - 0.5$

6. $y = 10x$

x	y
2	
3	
4	
5	

x	y
1	
2	
3	
4	

x	y
0	
1	
2	
3	

Add.

1. $5 + (-8)$

2. $-3 + 3$

3. $-3 + (-8)$

4. $-7 + (-7)$

5. $-8 + 10$

6. $-7 + 13$

Multiply.

1. $-4(6)$

2. $-2(-8)$

3. $12(-4)$

4. $-6(5)$

5. $-10(-9)$

6. $-(5)^2$

Divide.

1. $-15 \div 3$

2. $-24 \div (-8)$

3. $22 \div (-2)$

4. $-49 \div (-7)$

5. $-8 \div (-8)$

6. $\frac{36}{-4}$

16. ANALYZE TABLES Elements melt at different temperatures. Five elements and their melting points in $^{\circ}\text{C}$, are listed in the table. Order the elements from the lowest melting point to the highest melting point.

Element	Melting Point $^{\circ}\text{C}$
Carbon	3,500
Helium	-272
Mercury	-39
Oxygen	-218
Sodium	98

Source: science.co.il

BUSINESS For Exercises 17 and 18, use the information in the table. It shows the net profit or loss of a used-car dealership during the spring and summer months of a recent year.

Month	March	April	May	June	July	August	September
Net Profit Or Loss	\$8,500	\$1,800	-\$2,300	\$300	-\$1,000	\$9,400	\$2,500

17. Order the months from the lowest net value to the highest.

Extreme Temperatures ($^{\circ}\text{F}$)

State	Highest	Lowest
Alabama	104	3
Nebraska	118	-47
Maine	101	-30
Florida	109	-2

3. Arrange the highest temperatures from greatest to least.

13. WEATHER The highest and lowest recorded temperatures for the state of Texas are 120°F and -23°F . Find the difference in these extreme temperatures.

3. $9 - (-2)$
 6. $-28 - (-13)$
 9. $13 - (-63)$
 12. $-15 - 0$

2. $-4 - 2$
 5. $-20 - 10$
 8. $28 - 14$
 11. $52 - (-30)$

- Subtract.**
 1. $16 - 14$
 4. $-6 - (-8)$
 7. $-33 - 33$
 10. $-18 - (-12)$