Evaluate each expression.



$$2. -12 - 7$$



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

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

6.
$$|-18-5|$$

7.
$$34.125 + (-21.4)$$

8.
$$-21 - 3.5$$

9.
$$-\frac{7}{3} + \frac{2}{3}$$

10.
$$\frac{8}{9} - \left(-\frac{5}{9}\right)$$

11.
$$-\frac{4}{5} + \left(-\frac{2}{5}\right)$$

$$-\frac{4}{5} - \frac{2}{5} = \frac{-6}{5}$$

12.
$$\frac{1}{2} - \frac{3}{2}$$



$$13\frac{4}{1} \cdot \frac{2}{5} + \frac{3 \cdot 5}{4 \cdot 5}$$

$$14. \frac{2}{7} - \frac{5}{2} = \frac{5}{2}$$

$$15.\frac{7}{6} + \frac{7}{8} + \left(-\frac{2}{5}\right).\frac{8}{8}$$

$$-\frac{35}{40} - \frac{16}{40} = \boxed{\frac{-51}{40}}$$

$$16\frac{7}{2} - \left(-\frac{5}{4}\right)$$

17.
$$-3\frac{2}{7}-1\frac{1}{2}$$

$$\frac{1}{2} = \frac{3}{2} = \frac{3}{2} \cdot \frac{7}{2}$$

18.
$$4\frac{2}{3} + \left(-3\frac{1}{6}\right)$$

$$\frac{1 \cdot 14}{3} - \frac{19}{6}$$

$$\frac{38}{6} - \frac{19}{6} = \frac{9}{6} \left(\frac{3}{2}\right)$$

19.
$$|8 + (-5)| + 7$$

$$3+1$$

20.
$$4 + \sqrt{16 + 9}$$

Circle the correct property.

$$21. 7 + 9 = 9 + 7$$

Commutative Property of Addition Associative Neither Property of Addition 22. 7 + 9 + 6 = 7 + 15

Commutative Property of Addition Associative Property of Addition Neither

23. (8+3)+1=8+(3+1)

Commutative Associative Property of Property of

Addition

24.
$$a + (9 + b) = (a + 9) + b$$

Property of Addition Associative Property of Addition + *b* Neither $25. \ x + y = y + x$

Commutative Property of Addition Associative Property of Addition Neither

 $26. \ 4(2+5) = 8+20$

Addition

Commutative Associative Property of Property of Addition Addition



Find the error.

27. Mr. Kelly refuses to believe that the associative property doesn't work for subtraction. He works the following problem to "prove" that it does work. He is wrong. Circle the mistake in his "proof". Correct his "proof" by showing that both sides are NOT equal to each other.

5 doesn't equal -3

Evaluate each expression to determine if the answer is a rational number or irrational number.

28. $7 - \sqrt{49}$



Rational

Irrational

29. $|9-12|+2\frac{3}{4}$

$$\left| -3 \right| + \frac{\lambda}{11}$$

$$3 + \frac{1}{4} = \frac{1}{4} + \frac{1}{4} = (\frac{23}{4})$$
 $\approx 10.26794919...$

Rational Irrational

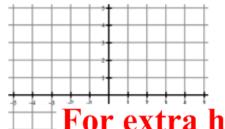
Rational

Irrational

GRAPH

Plot the points:

- 1. A (-3,-4)
- 2. B(2,0)



SIMPLIFY

SKILLZ REVIEW

3.
$$\frac{-2-3}{0-6} = \frac{-5}{-6} = \frac{5}{6}$$

4.
$$\frac{-5-(-3)}{3-8}$$

ORDER OF OPERATIONS

5.
$$4-2(3)^2$$



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

For extra help watch the Skillz Review Video