Name _____ Date _____

1. Complete.

Part A

Which expressions have a sum of 12? Choose all that apply.

A. $-4+(-8)$

B. $-10+22$

C. $24+(-12)$

D. $0+(-12)$

Part B

Which expressions have a sum of -12? Choose all that apply.

A. $-13+(-1)$

B. $2+(-14)$

C. $-5+17$

D. $-4+(-8)$

Part C

Which expressions have a difference of 5? Choose all that apply.

A. $2-(-3)$

B. $14-(-9)$

C. $-5-(-10)$

D. $6-(-1)$

Part D

Which expressions have a difference of -8? Choose all that apply.

A. $5-13$

B. $12-(-4)$

C. $14-6$

D. $-3-5$

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2. Identify the unknown factor or product that makes each number sentence true.

$3 \cdot$ _____ $= -12$

$-6 \cdot$ _____ $= 60$

$-4 \cdot (-3) =$ _____

$-2 \cdot$ _____ $= -14$

$5 \cdot (-1) =$ _____

$-2 \cdot 2 \cdot$ _____ $= 36$

$-2 \cdot 2 \cdot (-2) \cdot 2 =$ _____

$-2 \cdot (-4) \cdot$ _____ $= -16$

3. Fill in the unknown base to create a true equation.

$8 =$ _____^{3}

$36 =$ _____^{2}

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4. Match each fraction to its equivalent fraction.

Fraction	Equivalent Fraction
$\frac{2}{4}$	$\frac{4}{10}$
$\frac{2}{3}$	$\frac{8}{12}$
$\frac{3}{5}$	$\frac{1}{3}$
$\frac{2}{6}$	$\frac{1}{2}$
$\frac{3}{4}$	$\frac{6}{10}$
$\frac{2}{5}$	$\frac{9}{12}$

5. Find the unknown exponential expression or product.

Exponential Expression	Product
10^2	
10^5	
	1,000

6. Multiply.

$7.8(100) =$ _____

$7.83(10{,}000) =$ _____

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