

**CHAPTER 4**  
**Test**

- Write an equation using grouping symbols that results in  $x = -5$ .  $2(x+1) = -8$
- Draw a tree diagram to show the different calculators that are possible from the choices given in the table. *see next slide*
- Explain whether the equation  $3(2x - 3) - 1 = 6x - 10$  is an identity or has no solution.

Brand	Type	Power
A	scientific	solar
B	graphing	battery
C		

Exercise 2

Simplify each expression.

- $7.2(-4x)$   $-28.8x$
- $-3.9(-10t)$   $39t$
- $-\frac{4}{5}a(\frac{2}{3}b)$   $-\frac{8}{15}AB$
- $\frac{2}{3}(\frac{1}{2}g) + \frac{1}{3}g$   $\frac{2}{3}g$

- Find the number of possible outfits by drawing a tree diagram.

*9 outfits*  
*see diagram on next slide*

Shirt	Pants
red	blue
yellow	black
green	gray

Find the number of possible outcomes by using the Fundamental Counting Principle.

- rolling an eight-sided die twice  $64$
- spinning the spinner three times, and it never lands on a border  $64$



Evaluate each expression if  $f = \frac{1}{2}$ ,  $g = \frac{2}{5}$ , and  $h = -\frac{1}{3}$ .

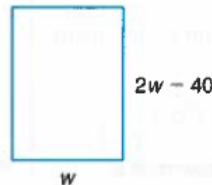
- $\frac{f}{5}$   $\frac{1}{10}$
- $\frac{3}{h}$   $-9$
- $\frac{g}{f}$   $\frac{4}{5}$
- $\frac{h}{g}$   $-\frac{5}{6}$

Solve each equation.

- $5n = 35$   $n = 7$
- $18.4 = -2m$   $m = -9.2$
- $\frac{3}{4}x = 6$   $x = 8$
- $20 = -\frac{5}{4}a$   $a = -16$
- $3r + 1 = 7$   $r = 2$
- $13 - 4y = 29$   $y = -29$
- $10 = 7 + \frac{5}{8}w$   $w = 4\frac{4}{5}$
- $7b + 8 = 5b - 4$   $b = -6$
- $2(h - 3) = 5 + 13h$   $h = -1$

- Number Theory** Find three consecutive even integers whose sum is  $-12$ .  $-6, -4, -2$

- Geometry** Find the dimensions of the rectangle if the perimeter is 220 feet.  $50 \text{ ft by } 60 \text{ ft}$



## Calculators

2)

