

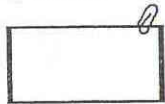
# Extra Practice #1

## MONDAY WEEK 17 MATH PRACTICE

Name \_\_\_\_\_

1. The Great Pyramid of Giza is the only surviving of the Seven Wonders of the Ancient World. It was built with two million blocks of stone, each weighing two tons.

Write the total weight as an exponential number.

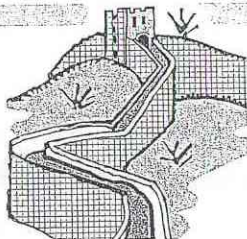


2. Simplify:  $\frac{8x^4y^8}{2x^7y^3}$
3. Write the following equation in standard form for a linear equation:  
 $44 = y - 50 - 2x$
4. Solve the system:

$$\begin{aligned} 2x + y &= 16 \\ y + 2 &= x \end{aligned}$$

5. The Great Wall of China was built in 221 B.C. to keep out invading armies. A group of hikers intends to travel the entire distance of the wall—3,948 miles—walking at a rate of two mph for eight hours a day.

At this rate, can they cover the entire distance in three months?

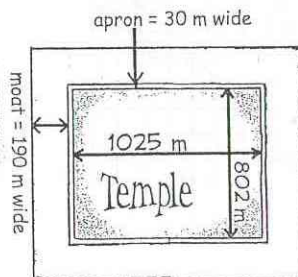


## TUESDAY WEEK 17 MATH PRACTICE

Name \_\_\_\_\_

1. What operation should be done first?  
 $7(p + 6) - 9 + 3 = 75$

5. Angkor Wat is a temple that was built in the early 12th Century. It was surrounded by a wall, an apron of lawn 30 m wide, and a moat 190 m wide. Today, its ruins are a prime attraction for visitors to Cambodia.



Find the surface area of water in the moat.

3. Which expression is equal to six?
- negative seventeen minus negative eleven
  - the product of negative seven and five plus forty-one
  - two to the seventh power divided by two to the third power

4. Evaluate for  $p = 6$  and  $q = 0.5$ .  
 $2p^2 - 12q + q^2$



## TUESDAY WEEK 11 MATH PRACTICE

Name \_\_\_\_\_

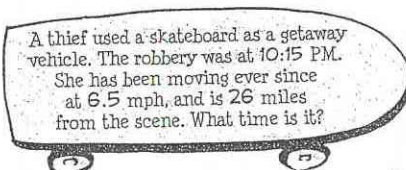
1. Solve:  $66 = 2 + \frac{x}{5}$

2. Use numbers and symbols to write the following expression:

The length of the movie *The Pink Panther* (m) is greater than seventy-five minutes and less than ninety-nine minutes.

Evaluate each expression.

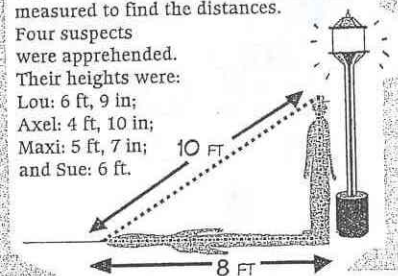
3.  $x^{-5} \cdot 6^{-3} \cdot \frac{3^{-2}}{4}$

4.  A thief used a skateboard as a getaway vehicle. The robbery was at 10:15 PM. She has been moving ever since at 6.5 mph, and is 26 miles from the scene. What time is it?

5. Use the information and the diagram to decide which suspect could have been the shadowy figure.

Just after a jewelry store theft, a witness saw a shadowy figure hiding against a building nearby. She noticed that the shadow of the figure reached just to the edge of the sidewalk. Investigators measured to find the distances.

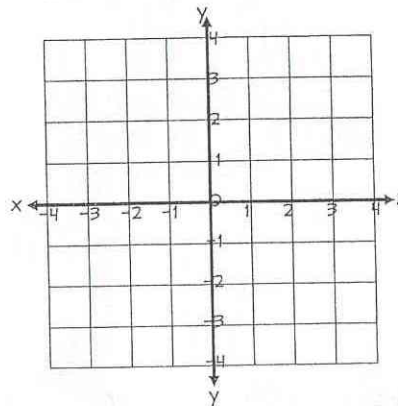
Four suspects were apprehended. Their heights were:  
Lou: 6 ft, 9 in;  
Axel: 4 ft, 10 in;  
Maxi: 5 ft, 7 in;  
and Sue: 6 ft.



©2007 Incentive Publications, Inc., Nashville, TN

### 5. Challenge Problem

- Complete the table to find three points to graph.
- Solve the equation  $y = 2x - 4$  by graphing.
- Explain in your own words what "solve" means.
- Give the solution to the equation: \_\_\_\_\_



$y = 2x - 4$

x	y	(x, y)
1		
3		
0		