Find the factors and check by multiplying.

1.
$$X^2 - 1 =$$

2.
$$X^2 - 36 =$$

3.
$$Y^2 - 16 =$$

4.
$$A^2 - B^2 =$$

5.
$$A^2 - 49 =$$

6.
$$B^2 - 25 =$$

7.
$$Y^2 - X^2 =$$

8.
$$X^2 - 4 =$$

HONORS LESSON 25B

9.
$$A^2 - 144 =$$

10.
$$4X^2 - 4Y^2 =$$

11.
$$B^2 - 64 =$$

12.
$$X^2 - 81 =$$

14.
$$75^2 =$$

SYSTEMATIC REVIEW

Find the factors.

1.
$$X^2 - 16 =$$

3.
$$X^2 - 36 =$$

Find the missing factor.

5.
$$X - 1 2X^2 + 3X + 5$$

Find the square root.

7.
$$\sqrt{4X^2} =$$

8. Check #7 by substituting 10 for X, then multiplying to find the product.

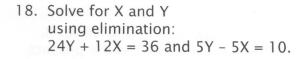
Solve using Oriental Squares.

9.
$$45^2 =$$

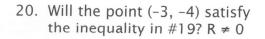
11. Find the factors. $X^2 - 18X + 77$. 12. Check #11 by multiplication.

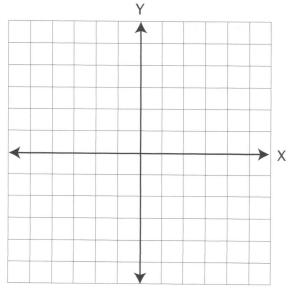
13.
$$(2^5)^5 =$$

- 14. What is the slope of 2Y 3X + 6 = 0?
- 15. What is the point (0, 0) on a graph called?
- 16. Distribute and fill in the blanks: $(D + 2)(X + 3) = D(X + 3) + 2(X + 3) = ____ + ___ + ___ + ___ + ___ .$
- 17. If the federal debt of the U.S. is five trillion dollars, and there are 300 million people, and each person gave \$1,000, would that be enough to pay the debt?









SYSTEMATIC REVIEW

Find the factors.

1.
$$X^2 - 4 =$$

3.
$$X^2 - 25 =$$

Find the missing factor.

5.
$$X + 2 \sqrt{2X^2 + 7X + 6}$$

Find the square root.

7.
$$\sqrt{X^2 + 10X + 25} =$$

8. Check #7 by substituting 10 for X, then multiplying to find the product.

Solve using Oriental Squares.

9.
$$65^2 =$$

- 11. Find the factors of $X^2 + 3X 4$. 12. Check #11 by multiplication.

13. $(49)^3 = 7^?$

- 14. What is the slope of 4Y + 8X + 2 = 0?
- 15. Distribute and fill in the blanks:

$$(A + B)(C + D + E) = A(+ +) + B(+ +) =$$

16. If the federal debt of the U.S. is five trillion dollars, and there are 300 million people, and each person gave \$10,000, would that be enough to pay the debt?

FOR #17-18:

Fill in the table for all the possible whole number options for walking rate and time if the distance is 20 miles.

Rate	Time
20 mph	
10 mph	
	4 hr
4 mph	
	20 hr

FOR #19-20:

Fill in the table for all the possible whole number options for walking rate and time if the distance is 12 miles.

Rate	Time
12 mph	
	2 hr
4 mph	
3 mph	
	6 hr
	12 hr