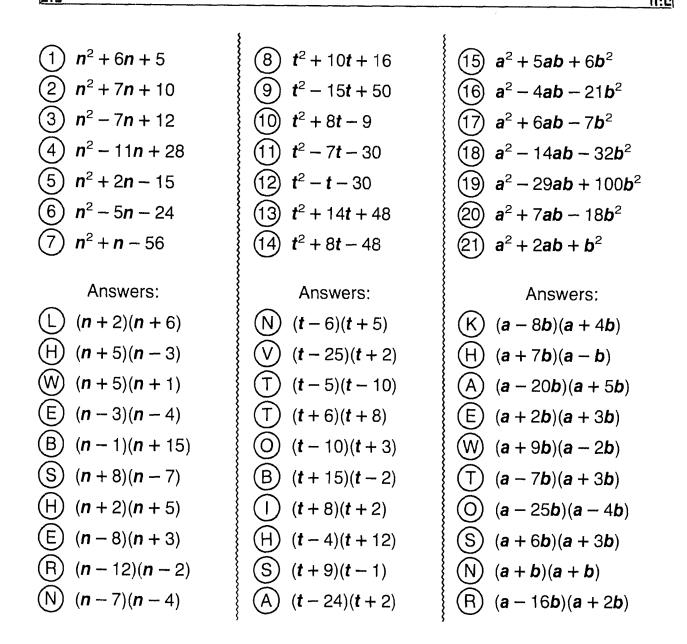
Geometry Factoring Trinomials (a = 1) Name:

| | terms. We will use " | " to |
|---|---------------------------------|------|
| factor trinomials. | $ax^2 + bx + c$ | |
| 1. $x^2 + 8x + 12$ | L 2. x ² – 5x + 6 | |
| 3. $x^2 - 2x - 8$ | 4. $x^2 + 3x - 18$ | |
| 5. $x^2 - x - 42$ | 6. $x^2 + x - 42$ | |
| Try these by yourself! 7. x ² + 8x + 15 | 8. $x^2 + 6x + 5$ | |
| 9. x ² + 5x - 36 | 10. x ² – 9x + 8 | |
| 11. x ² + 13x + 36 | 12. $x^2 - 23x + 60$ | |
| 13. x ² + 3x – 18 | 14. $w^2 + 22w + 40$ | |
| 15. y ² – 2y – 80 | 16. y ² – 12y + 36 | |

When Is a Wrestler "King of the Ring"?

Factor each trinomial below. Find your answer and notice the letter next to it. Write this letter in the box containing the number of that exercise. Keep working and you will get the gripping answer to the title question.



| 副 | 르쒡뗴르랞삐미르랞삐미르벦미르렎ו미르벦미르랜비미르뱅미 | | | | | | | | | | | | | | | | | | | |
|---|------------------------------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | | | | | | | | | | | | | | | | | | | | |

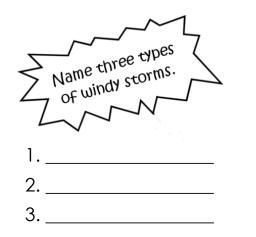
ALGEBRA WITH PIZZAZZ! © Creative Publications OBJECTIVE 3-n: To factor trinomials of the form $x^2 + bx + c$, where *c* is positive or negative (review).

90

旧

| Rounding Decimals |
|--|
| Round to the nearest whole number. 5.636 ↓ Since the digit to the right is 5 or greater, round up to 6. 5.636 rounded to the nearest whole number is 6 . |
| Round to the nearest tenth. 5.636 5.636 Since the next digit to the right is less than 5, round down to 5.6. 5.636 rounded to the nearest tenth is 5.6 . |
| Round to the nearest hundredth. 5.636 Since the next digit to the right is 5 or greater, round up to 5.64. |
| 5.636 rounded to the nearest hundredth is 5.64 . |
| 5.636 rounded to the nearest hundredth is 5.64 . What is 8.525 rounded to the nearest whole number? |
| |
| What is 8.525 rounded to the nearest whole number? |
| What is 8.525 rounded to the nearest whole number? What is 8.525 rounded to the nearest tenth? |
| What is 8.525 rounded to the nearest whole number? What is 8.525 rounded to the nearest tenth? What is 8.525 rounded to the nearest hundredth? |
| What is 8.525 rounded to the nearest whole number? What is 8.525 rounded to the nearest tenth? What is 8.525 rounded to the nearest hundredth? What is 3.341 rounded to the nearest whole number? |
| What is 8.525 rounded to the nearest whole number? What is 8.525 rounded to the nearest tenth? What is 8.525 rounded to the nearest hundredth? What is 3.341 rounded to the nearest whole number? What is 3.341 rounded to the nearest tenth? |
| What is 8.525 rounded to the nearest whole number? What is 8.525 rounded to the nearest tenth? What is 8.525 rounded to the nearest hundredth? What is 3.341 rounded to the nearest whole number? What is 3.341 rounded to the nearest tenth? What is 3.341 rounded to the nearest hundredth? |
| What is 8.525 rounded to the nearest whole number? What is 8.525 rounded to the nearest tenth? What is 8.525 rounded to the nearest hundredth? What is 3.341 rounded to the nearest whole number? What is 3.341 rounded to the nearest tenth? What is 3.341 rounded to the nearest hundredth? Circle the correct answer. |
| What is 8.525 rounded to the nearest whole number? What is 8.525 rounded to the nearest tenth? What is 8.525 rounded to the nearest hundredth? What is 3.341 rounded to the nearest whole number? What is 3.341 rounded to the nearest tenth? What is 3.341 rounded to the nearest tenth? Circle the correct answer. 5.385 rounded to the nearest tenth is 5.385 rounded to the nearest tenth is |

Windy Weather Mystery Math



| 2.55 | 1.00 | 5.15 | 4./4 | 7.00 | 7.01 | 7.30 | 0.00 | 5.47 |
|------|------|------|------|------|------|------|------|------|
| G | R | L | К | В | Р | Μ | Х | Y |
| | | | | | | | | |
| 7.78 | 2.31 | 4.11 | 8.77 | 2.84 | 2.63 | 7.58 | 5.55 | 1.75 |
| Е | V | U | 0 | Ι | D | S | А | Z |
| | | | | | | | | |

2 55 1 56 3 15 1 71 9 56 9 61 7 30 6 85 3 19

| 3.74 | 9.89 | 1.42 | 4.24 | 6.32 | 3.31 | 8.63 | 8.06 |
|------|------|------|------|------|------|------|------|
| W | С | Т | F | Н | Ν | J | Q |

Round each decimal to the nearest hundredth. Write the answer in the middle square then find the letter that corresponds to your answer in the key above. Write the corresponding letter in the bottom square to uncover three types of windy weather. The first one is done for you.

| 6.318 | 4.107 | 1.562 | 1.559 | 2.843 | 9.891 | 5.548 | 3.305 | 7.776 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6.32 | | | | | | | | |
| h | | | | | | | | |

| 9.559 | 3.154 | 2.837 | 1.752 | 1.746 | 5.553 | 1.564 | 2.625 |
|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | |
| | | | | | | | |

| 1.422 | 8.770 | 1.557 | 3.314 | 5.546 | 2.631 | 8.765 |
|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | |
| | | | | | | |

8.8

Y

10.5

Ζ

Х

А

6.6

Q

Name the three branches of the U.S. government. 1.7 3.6 3.9 5.2 4.7 9.9 7.9 4.1 G Ρ R L К В Μ 6.8 15.1 1.8 5.7 2.8 1.5 7.7 2.6 V U S Е 0 Т D 1. 2. 5.5 4.5 2.3 9.5 11.5 12.7 1.6 3._____ С Т F W Н Ν J

Our Government Mystery Math

Round each decimal to the nearest tenth. Write the answer in the middle square then find the letter that corresponds to your answer in the key above. Write the corresponding letter in the bottom square to uncover the three branches of government. The first one is done for you.

| 3.63 | 2.59 | 4.10 | 5.73 | 1.52 | 3.59 | 7.65 | 4.45 | 5.67 | 6.79 | 2.62 |
|------|------|------|------|------|------|------|------|------|------|------|
| 3.6 | | | | | | | | | | |
| Ι | | | | | | | | | | |

| 11.49 | 15.09 | 2.79 | 5.69 | 5.45 | 5.72 | 7.73 | 3.56 |
|-------|-------|------|------|------|------|------|------|
| | | | | | | | |
| | | | | | | | |

| 2.60 | 7.90 | 2.57 | 5.54 | 15.14 | 4.51 | 5.70 | 6.84 | 2.64 |
|------|------|------|------|-------|------|------|------|------|
| | | | | | | | | |
| | | | | | | | | |