

"Where does a cow go on vacation?"

Factor the following expressions. The answer to each problem will match a letter that will allow you to figure out the joke.

- | | |
|----------------------------|--------------------------|
| 1. $4x + 6$ | L. $2(x + 3)$ |
| 2. $9x - 3$ | R. $2(3x^2 - 2x - 7)$ |
| 3. $xy - 7x$ | I. $3x(2x - 1)$ |
| 4. $6x^2 - 3x$ | D. $3(x - 3)$ |
| 5. $6x^2 - 4x - 14$ | P. $x(y - 6)$ |
| 6. $-16x + 12$ | O. $-4(4x - 3)$ |
| 7. $18x^2 + 27x - 36$ | C. $-(13x^2 - 7x + 3)$ |
| 8. $-5x^3 + 25x^2 - 5x$ | W. $-5x(x^2 - 5x + 1)$ |
| 9. $28x^5 - 35x^4 - 14x^3$ | G. $3x(x + 2)$ |
| 10. $-13x^2 + 7x - 3$ | F. $7x^3(4x^2 - 5x - 2)$ |
| | O. $3(3x - 1)$ |
| | I. $2(2x + 3)$ |
| | B. $-4(x + 3)$ |
| | N. $x(y - 7)$ |
| | A. $9(2x^2 + 3x - 4)$ |
| | E. $2(x^2 - x - 6)$ |
| | U. $-x(10x^2 - 7x + 3)$ |

10 6 8 4 9 2 5 3 1 7

"How do rabbits travel?"

Factor the following expressions. The answer to each problem will match a letter that will allow you to figure out the joke.

- | | |
|-----------------------|------------------------|
| 1. $15x^2 + 8x + 1$ | B. $(2x - 3)(5x + 7)$ |
| 2. $2x^2 + 15 + 7$ | W. $(3x - 1)(x - 2)$ |
| 3. $3x^2 + x - 2$ | M. $(2x + 7)(x - 1)$ |
| 4. $4x^2 - 21x + 5$ | E. $(2x - 1)(7x + 4)$ |
| 5. $6x^2 - 17x + 5$ | A. $(3x - 2)(x + 1)$ |
| 6. $14x^2 + x - 4$ | N. $(5x + 1)(3x + 1)$ |
| 7. $10x^2 - x - 21$ | U. $(2x - 5)(2x - 1)$ |
| 8. $3x^2 + 16x - 44$ | G. $(14x + 1)(x - 4)$ |
| 9. $35x^2 - 59x - 48$ | L. $(2x + 1)(x + 7)$ |
| | H. $(5x + 3)(7x - 16)$ |
| | T. $(10x - 1)(x + 21)$ |
| | R. $(3x - 1)(2x - 5)$ |
| | P. $(3x + 22)(x - 2)$ |
| | X. $(7x - 9)(5x + 2)$ |
| | Y. $(4x - 1)(x - 5)$ |
| | Q. $(6x - 5)(x - 1)$ |

$\frac{7}{9} \frac{4}{3} \frac{5}{6} \frac{6}{8} \frac{2}{3} \frac{3}{1} \frac{6}{6}$

"What is the best thing to take into the desert?"

Factor the following expressions. Watch out for GCFs.

The answer to each problem will match a letter that will allow you to figure out the joke.

1. $33x^2 + 10x - 7$

H. $6(9x - 5)(2x + 1)$

2. $16x^2 + 38x + 12$

N. $(3x - 7)(11x - 1)$

3. $12x^2 + 52x - 120$

I. $20x(3x - 5)(x - 1)$

4. $108x^2 - 6x - 30$

K. $6(2x + 1)(x - 4)$

5. $60x^3 - 160x^2 + 100x$

E. $4(x + 1)(4x + 3)$

6. $54x^2 - 9x - 84$

S. $4(x + 6)(3x - 5)$

7. $52x^3 + 122x^2 + 66x$

D. $(3x - 1)(11x + 7)$

8. $12x^2 - 42x - 24$

Y. $2(6x - 5)(2x + 3)$

R. $2(x + 2)(8x + 3)$

G. $6(5x - 9)(x + 2)$

T. $2x(13x + 11)(2x + 3)$

C. $10x(30x - 10)(2x + 7)$

A. $3(3x - 4)(6x + 7)$

W. $3(4x - 3)(7x + 6)$

6 7 4 5 2 3 7 6 5 1 8 5 7

"What do you call a bunch of chickens playing hide-and-seek?"

Factor the following expressions. Watch out for GCFs.

The answer to each problem will match a letter that will allow you to figure out the joke.

1. $x^2 - 3x - 10$

O. $(x + 10)(x - 5)$

2. $x^2 + 3x - 18$

R. $-(x + 4)(x - 2)$

3. $x^2 - 19x - 42$

L. $2(x + 7)(x - 4)$

E. $4(x + 2)(x - 1)$

4. $x^2 + 5x - 50$

S. $2(x + 14)(x - 2)$

F. $4x(x - 2)(x + 1)$

5. $-x^2 - 7x + 8$

W. $(x + 6)(x - 3)$

Y. $-(x + 8)(x - 1)$

6. $2x^2 + 6x - 56$

T. $3(x + 5)(x - 4)$

A. $(x - 5)(x + 2)$

7. $3x^2 - 24x - 60$

L. $(x - 21)(x + 2)$

H. $(x + 9)(x - 2)$

8. $4x^3 - 4x^2 - 8x$

P. $3(x - 10)(x + 2)$

8 4 2 6 7 3 1 5