9 Chapter Review

Rewind / Fast Forward

"Rewind" by factoring each polynomial completely. Then cross off the answer in the right column. "Fast forward" by multiplying your answer to check it. The letters that are left will spell an outdated technology.

Rewind

Fast Forward

1. $18x - 9xy$

2. $4x^3 + 6x$

3. $x^2 - 64$

4. $x^2 - 16$

5. $2x^2 - 32$

6. $x^2 + 6x + 8$

7. $x^2 - 6x + 8$

8. $x^2 + x - 12$

9. $x^2 - x - 12$

10. $x^2 + 2x + xy + 2y$

11. $xy + 4y - x^2 - 4x$

12. $4x + 8y + x^2 + 2xy$

$(x + 2)(y + 1)$	E
$(x - 3)(x + 4)$	N
$(x - 4)(x + 3)$	D
$(x - 4)(x - 2)$	W
$(x - 4)(x - 4)$	I
$(x - 4)(x + 4)$	N
$(x - 8)(x - 8)$	G
$(x - 8)(x + 8)$	S
$(x + 2)(x + 4)$	P
$(x + 2)(y - x)$	H
$(x + 2)(x + y)$	A
$(x + 4y)(x - 2)$	T
$(x + 4)(y - x)$	I
$(x + 4)(x + 2y)$	O
$2(2x^2 + 3x)$	T
$2(x - 4)(x + 4)$	S
$2(x + 8)(x - 8)$	R
$2(x^2 + 16)$	A
$2x(2x^2 + 3)$	O
$3x(6 - 3y)$	C
$9x(2 - y)$	E
$9x(2 - xy)$	K

Answers are located in the Answer Key.