Factoring Worksheet

Factor each expression.

[1] $x^2 - 9x + 8$

[2] $7x^2 + 9x$

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[3] $9x^2 + 7x - 56$

[4] $-8x^2 - 15x + 2$

_____

[5] $3x^2 - 10x + 3$

[6] $27xy - 18xz$

_____

[7] $x^2 + 36x$

[8] $15x^2 + 20x - 25$

_____

[9] $7x^2 - 32x - 60$

[10] $27x^2 - 3$

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Factoring Worksheet

Answers

1   $x^2 - 9x + 8$

(x − 1)(x − 8)

2   $7x^2 + 9x$

x(7x + 9)

3   $9x^2 + 7x - 56$

Not factorable

4   $-8x^2 - 15x + 2$

(−8x + 1)(x + 2)

5   $3x^2 - 10x + 3$

(3x − 1)(x − 3)

6   $27xy - 18xz$

9x(3y − 2z)

7   $x^2 + 36x$

x(x + 36)

8   $15x^2 + 20x - 25$

5(3x² + 4x − 5)

9   $7x^2 - 32x - 60$

(7x + 10)(x − 6)

10   $27x^2 - 3$

3(3x + 1)(3x − 1)