Name: _____

November 11, 2023

| 1) | Find the value of 'd' by completing the square of the following equation: $^2 + 6d + 9$ |

Answer: _____

| 2) | Find the value of 'f' by completing the square of the following equation: $^2 + 6f + 9$ |

Answer: _____

| 3) | Find the value of 's' by completing the square of the following equation: $^2 + 6s + 9$ |

Answer: _____

| 4) | Find the value of 'd' by completing the square of the following equation: $^2 + 8d + 15$ |

Answer: _____

| 5) | Find the value of 'x' by completing the square of the following equation: $^2 + 12x + 20$ |

Answer: _____

| 6) | Find the value of 'q' by completing the square of the following equation: $^2 + 4q + 4$ |

Answer: _____

| 7) | Find the value of 's' by completing the square of the following equation: $^2 + 8s + 16$ |

Answer: _____

| 8) | Find the value of 'd' by completing the square of the following equation: $^2 + 6d + 8$ |

Answer: _____

| 9) | Find the value of 'f' by completing the square of the following equation: $^2 + 6f + 9$ |

Answer: _____

| 10) | Find the value of 'x' by completing the square of the following equation: $^2 + 8x + 15$ |

Answer: _____

Total: ___ / 10

Name: _____

November 11, 2023

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Answers:

1) $(d + 3)^2$ 2) $(f + 3)^2$ 3) $(s + 3)^2$ 4) $(d + 4)^2 - 1$ 5) $(x + 6)^2 - 16$ 6) $(q + 2)^2$ 7) $(s + 4)^2$

8) $(d + 3)^2 - 1$ 9) $(f + 3)^2$ 10) $(x + 4)^2 - 1$

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