

Factoring Practice

Name_____

Show all work to receive credit.

Factor completely.

1) $x^2 - 8x - 33$

1) _____

2) $x^2 + 2x - 63$

2) _____

3) $10y^2 + 23y + 12$

3) _____

4) $15z^2 + 4z - 4$

4) _____

5) $15x^2 + 22x + 8$

5) _____

6) $6x^2 + 17x + 12$

6) _____

7) $6y^2 + 13y + 6$

7) _____

8) $10z^2 - 7z - 12$

8) _____

9) $9z^2 + 6z - 8$

9) _____

10) $4x^3 + 8x^2 - 32x$

10) _____

Answer Key

Testname: FACTOR PRAC.TST

- 1) Answer: $(x + 3)(x - 11)$
- 2) Answer: $(x + 9)(x - 7)$
- 3) Answer: $(2y + 3)(5y + 4)$
- 4) Answer: $(3z + 2)(5z - 2)$
- 5) Answer: $(3x + 2)(5x + 4)$
- 6) Answer: $(2x + 3)(3x + 4)$
- 7) Answer: $(2y + 3)(3y + 2)$
- 8) Answer: $(2z - 3)(5z + 4)$
- 9) Answer: $(3z - 2)(3z + 4)$
- 10) Answer: $4x(x - 2)(x + 4)$